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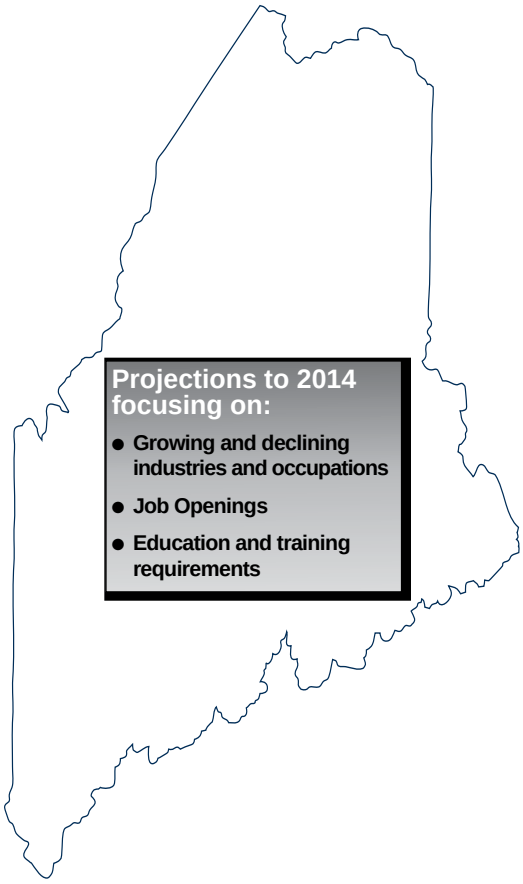

Maine Employment Outlook to 2014

September 2006

MAINE
DEPARTMENT OF
LABOR
Labor Market Information

Maine Employment Outlook

2004 to 2014

Industrial and Occupational Employment Projections

This publication is a product of the Economic and Demographic Research Group
Dana Evans, State Labor Economist

Issued September 2006 Augusta, Maine

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Preface

Maine Employment Outlook highlights industry and occupational employment projections for the period from 2004 to 2014. The labor market of the future is being shaped by many factors, including technological change and social and demographic trends. Labor market trends in Maine have largely followed a similar course to national trends for many years. These projections generally mirror national projections published by the U.S. Bureau of Labor Statistics for the same period.

Projection Highlights

- Employment opportunities will be concentrated in service-providing industries. Education and health services, retail trade, and leisure and hospitality services are expected to create about three-quarters of all new jobs.

- The occupational structure of employment will shift along with changes in the industrial structure and technology. Many of the fastest growing occupations will be health care-related, largely due to rapid growth in the number of middle age and elderly people.

- Technology will continue to impact the structure of employment and how work is done. Computers will increasingly be a part of a wide range of work processes and computer-related occupations will continue to grow faster than the average.

Questions about industry trends should be directed to Glenn Mills, Director of Employment Estimation and Projections. Questions about occupational trends should be directed to Merrill Huhtala, Manager of the Occupational Employment Statistics Program. Glenn and Merrill can be reached at (207) 287-2271.

John Dorrer, Director
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Maine Department of Labor

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Industry Employment
2004 and Projected 2014

Employment by Industry in Maine, 2004 and Projected 2014				
Industry	Average Employment		Employment Change	
	2004	2014	Net	Percent
Total Employment	**668,728**	**717,100**	**48,372**	**7.2%**
Self-Employed, Private Household, and Unpaid Family Workers	**67,000**	**67,500**	**500**	**0.7%**
Wage and Salary Jobs	**601,728**	**649,600**	**47,872**	**8.0%**
Total Private	**502,402**	**546,897**	**44,495**	**8.9%**
Goods-Producing Industries	**99,179**	**93,250**	**-5,929**	**-6.0%**
Natural Resources and Mining	**5,726**	**5,979**	**253**	**4.4%**
Agriculture, Forestry, Fishing and Hunting	**5,617**	**5,868**	**251**	**4.5%**
Crop production	1,567	1,622	55	3.5%
Animal production	678	766	88	13.0%
Forestry and logging	2,587	2,573	-14	-0.5%
Fishing, hunting and trapping	339	480	141	41.6%
Agriculture and forestry support activities	446	427	-19	-4.3%
Mining	**109**	**111**	**2**	**1.8%**
Mining, except oil and gas	109	111	2	1.8%
Construction	**30,773**	**32,514**	**1,741**	**5.7%**
Construction of buildings	8,073	8,480	407	5.0%
Heavy and civil engineering construction	3,652	3,862	210	5.8%
Specialty trade contractors	19,048	20,172	1,124	5.9%
Manufacturing	**62,680**	**54,757**	**-7,923**	**-12.6%**
Durable Goods	**33,528**	**29,963**	**-3,565**	**-10.6%**
Wood product manufacturing	6,786	5,885	-901	-13.3%
Nonmetallic mineral product manufacturing	1,571	1,623	52	3.3%
Primary metal manufacturing	361	268	-93	-25.8%
Fabricated metal product manufacturing	4,603	4,175	-428	-9.3%
Machinery manufacturing	2,154	2,125	-29	-1.3%
Computer and electronic product manufacturing	3,649	3,523	-126	-3.5%
Electrical equipment and appliance mfg.	955	804	-151	-15.8%
Transportation equipment manufacturing	10,021	8,341	-1,680	-16.8%
Furniture and related product manufacturing	1,696	1,552	-144	-8.5%
Miscellaneous manufacturing	1,732	1,667	-65	-3.8%
Nondurable Goods	**29,152**	**24,794**	**-4,358**	**-14.9%**
Food manufacturing	6,696	6,347	-349	-5.2%
Beverage and tobacco product manufacturing	495	529	34	6.9%
Textile mills	1,484	886	-598	-40.3%
Textile product mills	1,154	1,053	-101	-8.8%
Apparel manufacturing	612	463	-149	-24.3%
Leather and allied product manufacturing	2,328	1,302	-1,026	-44.1%
Paper manufacturing	9,654	7,885	-1,769	-18.3%
Printing and related support activities	2,591	2,603	12	0.5%
Petroleum and coal products manufacturing	394	399	5	1.3%
Chemical manufacturing	1,492	1,421	-71	-4.8%

Employment by Industry in Maine, 2004 and Projected 2014				
Industry	Average Employment		Employment Change	
	2004	2014	Net	Percent
Plastics and rubber products manufacturing	2,252	1,906	-346	-15.4%
Service-Providing Industries	**502,549**	**556,350**	**53,801**	**10.7%**
Trade, Transportation, and Utilities	**125,458**	**138,920**	**13,462**	**10.7%**
Wholesale Trade	**21,432**	**23,849**	**2,417**	**11.3%**
Merchant wholesalers, durable goods	9,978	11,230	1,252	12.5%
Merchant wholesalers, nondurable goods	8,451	8,926	475	5.6%
Electronic markets and agents and brokers	3,003	3,693	690	23.0%
Retail Trade	**87,421**	**97,065**	**9,644**	**11.0%**
Motor vehicle and parts dealers	10,520	11,952	1,432	13.6%
Furniture and home furnishings stores	2,323	2,498	175	7.5%
Electronics and appliance stores	1,812	1,955	143	7.9%
Building material and garden supply stores	6,918	7,897	979	14.2%
Food and beverage stores	19,208	21,075	1,867	9.7%
Health and personal care stores	3,544	3,762	218	6.2%
Gasoline stations	7,657	8,283	626	8.2%
Clothing and clothing accessories stores	5,121	5,164	43	0.8%
Sporting goods, hobby, book and music stores	3,867	4,027	160	4.1%
General merchandise stores	11,954	13,552	1,598	13.4%
Miscellaneous store retailers	5,466	6,239	773	14.1%
Nonstore retailers	9,031	10,661	1,630	18.0%
Transportation and Warehousing	**14,700**	**16,186**	**1,486**	**10.1%**
Air transportation	466	498	32	6.9%
Rail transportation	800	800	0	0.0%
Water transportation	152	178	26	17.1%
Truck transportation	5,891	6,171	280	4.8%
Transit and ground passenger transportation	1,427	1,708	281	19.7%
Pipeline transportation	78	80	2	2.6%
Scenic and sightseeing transportation	274	350	76	27.7%
Support activities for transportation	1,346	1,416	70	5.2%
Couriers and messengers	2,040	2,207	167	8.2%
Warehousing and storage	2,226	2,778	552	24.8%
Utilities	**1,905**	**1,820**	**-85**	**-4.5%**
Information	**11,086**	**11,446**	**360**	**3.2%**
Publishing industries, except Internet	3,531	3,756	225	6.4%
Motion picture and sound recording industries	885	1,093	208	23.5%
Broadcasting, except Internet	1,487	1,546	59	4.0%
Internet publishing and broadcasting	64	81	17	26.6%
Telecommunications	3,164	3,043	-121	-3.8%
ISPs, search portals, and data processing	1,047	1,027	-20	-1.9%
Other Information Services	908	900	-8	-0.9%
Financial Activities	**33,529**	**36,337**	**2,808**	**8.4%**

Employment by Industry in Maine, 2004 and Projected 2014				
Industry	Average Employment		Employment Change	
	2004	2014	Net	Percent
Finance and Insurance	**26,464**	**27,878**	**1,414**	**5.3%**
Credit intermediation and related activities	13,767	14,695	928	6.7%
Securities, commodity contracts, investments	1,515	1,824	309	20.4%
Insurance carriers and related activities	11,126	11,262	136	1.2%
Funds, trusts, and other financial vehicles	56	97	41	73.2%
Real Estate and Rental and Leasing	**7,065**	**8,459**	**1,394**	**19.7%**
Real estate	4,198	5,277	1,079	25.7%
Rental and leasing services	2,867	3,182	315	11.0%
Professional and Business Services	**49,573**	**54,575**	**5,002**	**10.1%**
Professional, Scientific and Tech Services	22,578	25,338	2,760	12.2%
Management of companies and enterprises	5,742	5,786	44	0.8%
Administrative and support services	19,591	21,695	2,104	10.7%
Waste management and remediation services	1,662	1,756	94	5.7%
Education and Health Services	**101,953**	**120,571**	**18,618**	**18.3%**
Educational services	9,384	10,362	978	10.4%
Health Care and Social Assistance	**92,569**	**110,209**	**17,640**	**19.1%**
Ambulatory health care services	24,027	28,729	4,702	19.6%
Hospitals	28,169	31,993	3,824	13.6%
Nursing and residential care facilities	22,851	26,743	3,892	17.0%
Social assistance	17,522	22,744	5,222	29.8%
Leisure and Hospitality	**58,669**	**67,109**	**8,440**	**14.4%**
Arts, Entertainment, and Recreation	**8,020**	**9,672**	**1,652**	**20.6%**
Performing arts and spectator sports	1,056	1,243	187	17.7%
Museums, historical sites, zoos, and parks	409	437	28	6.8%
Amusements, gambling, and recreation	6,555	7,992	1,437	21.9%
Accomodation and Food Services	**50,649**	**57,437**	**6,788**	**13.4%**
Accommodation	11,101	12,752	1,651	14.9%
Food services and drinking places	39,548	44,685	5,137	13.0%
Other Services	**22,955**	**24,689**	**1,734**	**7.6%**
Repair and maintenance	5,030	5,869	839	16.7%
Personal and laundry services	4,282	4,535	253	5.9%
Membership associations and organizations	5,431	6,168	737	13.6%
Private households	8,212	8,117	-95	-1.2%
Government	**99,326**	**102,703**	**3,377**	**3.4%**
Federal	14,078	13,534	-544	-3.9%
State	24,403	25,255	852	3.5%
Local	60,845	63,914	3,069	5.0%

Industries Projected to Gain or Lose the Largest Number of Jobs in Maine Between 2004 and 2014

Industries Expected to Gain 135 or More Jobs		Industries Expected to Lose Jobs	
Social assistance	5,222	Paper manufacturing	-1,769
Food services and drinking places	5,137	Transportation equipment manufacturing	-1,680
Ambulatory health care services	4,702	Leather and allied product manufacturing	-1,026
Nursing and residential care facilities	3,892	Wood product manufacturing	-901
Hospitals	3,824	Textile mills	-598
Local	3,069	Federal	-544
Professional, Scientific and Tech Services	2,760	Fabricated metal product manufacturing	-428
Administrative and support services	2,104	Food manufacturing	-349
Food and beverage stores	1,867	Plastics and rubber products manufacturing	-346
Accommodation	1,651	Electrical equipment and appliance mfg.	-151
Nonstore retailers	1,630	Apparel manufacturing	-149
General merchandise stores	1,598	Furniture and related product manufacturing	-144
Amusements, gambling, and recreation	1,437	Computer and electronic product manufacturing	-126
Motor vehicle and parts dealers	1,432	Telecommunications	-121
Merchant wholesalers, durable goods	1,252	Textile product mills	-101
Specialty trade contractors	1,124	Private households	-95
Real estate	1,079	Primary metal manufacturing	-93
Building material and garden supply stores	979	Chemical manufacturing	-71
Educational services	978	Miscellaneous manufacturing	-65
Credit intermediation and related activities	928	Machinery manufacturing	-29
State	852	ISPs, search portals, and data processing	-20
Repair and maintenance	839	Agriculture and forestry support activities	-19
Miscellaneous store retailers	773	Forestry and logging	-14
Membership associations and organizations	737	Other Information Services	-8
Electronic markets and agents and brokers	690		
Gasoline stations	626		
Warehousing and storage	552		
Merchant wholesalers, nondurable goods	475		
Construction of buildings	407		
Rental and leasing services	315		
Securities, commodity contracts, investments	309		
Transit and ground passenger transportation	281		
Truck transportation	280		
Personal and laundry services	253		
Publishing industries, except Internet	225		
Health and personal care stores	218		
Heavy and civil engineering construction	210		
Motion picture and sound recording industries	208		
Performing arts and spectator sports	187		
Furniture and home furnishings stores	175		
Couriers and messengers	167		
Sporting goods, hobby, book and music stores	160		
Electronics and appliance stores	143		
Fishing, hunting and trapping	141		
Insurance carriers and related activities	136		

Industries Projected to Gain or Lose Jobs at the Fastest Rate in Maine Between 2004 and 2014

Industries Expected to Gain Jobs by Six Percent or More		Industries Expected to Lose Jobs	
Funds, trusts, and other financial vehicles	73.2%	Leather and allied product manufacturing	-44.1%
Fishing, hunting and trapping	41.6%	Textile mills	-40.3%
Social assistance	29.8%	Primary metal manufacturing	-25.8%
Scenic and sightseeing transportation	27.7%	Apparel manufacturing	-24.3%
Internet publishing and broadcasting	26.6%	Paper manufacturing	-18.3%
Real estate	25.7%	Transportation equipment manufacturing	-16.8%
Warehousing and storage	24.8%	Electrical equipment and appliance mfg.	-15.8%
Motion picture and sound recording industries	23.5%	Plastics and rubber products manufacturing	-15.4%
Electronic markets and agents and brokers	23.0%	Wood product manufacturing	-13.3%
Amusements, gambling, and recreation	21.9%	Fabricated metal product manufacturing	-9.3%
Securities, commodity contracts, investments	20.4%	Textile product mills	-8.8%
Transit and ground passenger transportation	19.7%	Furniture and related product manufacturing	-8.5%
Ambulatory health care services	19.6%	Food manufacturing	-5.2%
Nonstore retailers	18.0%	Chemical manufacturing	-4.8%
Performing arts and spectator sports	17.7%	Agriculture and forestry support activities	-4.3%
Water transportation	17.1%	Federal	-3.9%
Nursing and residential care facilities	17.0%	Telecommunications	-3.8%
Repair and maintenance	16.7%	Miscellaneous manufacturing	-3.8%
Accommodation	14.9%	Computer and electronic product manufacturing	-3.5%
Building material and garden supply stores	14.2%	ISPs, search portals, and data processing	-1.9%
Miscellaneous store retailers	14.1%	Machinery manufacturing	-1.3%
Motor vehicle and parts dealers	13.6%	Private households	-1.2%
Hospitals	13.6%	Other Information Services	-0.9%
Membership associations and organizations	13.6%	Forestry and logging	-0.5%
General merchandise stores	13.4%		
Food services and drinking places	13.0%		
Animal production	13.0%		
Merchant wholesalers, durable goods	12.5%		
Professional, Scientific and Tech Services	12.2%		
Rental and leasing services	11.0%		
Administrative and support services	10.7%		
Educational services	10.4%		
Food and beverage stores	9.7%		
Couriers and messengers	8.2%		
Gasoline stations	8.2%		
Electronics and appliance stores	7.9%		
Furniture and home furnishings stores	7.5%		
Beverage and tobacco product manufacturing	6.9%		
Air transportation	6.9%		
Museums, historical sites, zoos, and parks	6.8%		
Credit intermediation and related activities	6.7%		
Publishing industries, except Internet	6.4%		
Health and personal care stores	6.2%		

Occupational Employment
2004 and Projected 2014

Employment by Occupational Group in Maine in 2004 and Projected 2014								
Occupational Group	Average Employment		Change in Employment		Average Annual Openings			2005 Average Wage
	2004	2014	Net	Percent	Growth	Replace-ment	Total	
Total	*668,728*	*717,100*	*48,372*	*7.2%*	*5,954*	*15,805*	*21,759*	*$16.31*
Management, Business and Financial Occupations	62,535	68,557	6,022	9.6%	626	1,117	1,743	$30.01
Management Occupations	40,582	44,582	4,000	9.9%	416	723	1,139	$33.45
Business and Financial Operations Occupations	21,953	23,975	2,022	9.2%	210	394	604	$23.66
Professional and Related Occupations	93,919	102,343	8,424	9.0%	894	1,866	2,760	$22.22
Computer and Mathematical Occupations	7,494	8,671	1,177	15.7%	130	103	233	$26.24
Architecture and Engineering Occupations	9,592	9,619	27	0.3%	32	222	254	$27.37
Life, Physical, and Social Science Occupations	5,036	5,541	505	10.0%	51	116	167	$22.85
Community and Social Services Occupations	16,574	19,430	2,856	17.2%	288	315	603	$15.25
Legal Occupations	4,531	5,136	605	13.4%	61	53	114	$32.67
Education, Training, and Library Occupations	41,141	43,393	2,252	5.5%	231	876	1,107	$17.67
Arts, Design, Entertainment, Sports, and Media Occupations	9,551	10,553	1,002	10.5%	101	181	282	$15.63
Healthcare Practitioners and Technical Occupations	36,466	42,922	6,456	17.7%	646	678	1,324	$28.69
Service Occupations	136,013	154,800	18,787	13.8%	1,893	3,850	5,743	$10.23
Healthcare Support Occupations	19,370	23,248	3,878	20.0%	388	294	682	$11.10
Protective Service Occupations	11,419	12,625	1,206	10.6%	133	340	473	$14.69
Food Preparation and Serving Related Occupations	55,054	61,928	6,874	12.5%	688	2,154	2,842	$8.87
Building and Grounds Cleaning and Maintenance Occupations	27,137	29,876	2,739	10.1%	275	543	818	$10.63
Personal Care and Service Occupations	23,033	27,123	4,090	17.8%	409	519	928	$10.04
Sales and Related Occupations	68,892	74,271	5,379	7.8%	606	2,217	2,823	$13.69
Office and Administrative Support Occupations	102,596	103,540	944	0.9%	486	2,354	2,840	$13.16
Farming, Fishing, and Forestry Occupations	8,805	8,923	118	1.3%	35	214	249	$13.63
Construction and Extraction Occupations	40,546	41,563	1,017	2.5%	162	789	951	$16.00
Installation, Maintenance, and Repair Occupations	28,441	30,694	2,253	7.9%	251	654	905	$17.15
Production Occupations	44,446	40,557	-3,889	-8.7%	43	1,062	1,105	$14.59
Transportation and Material Moving Occupations	46,069	48,930	2,861	6.2%	309	1,005	1,314	$12.65

Average wages are for wage and salary workers and do not include the self-employed. The average by occupational group is an estimate calculated using 2005 wages and 2004 employment.

Occupational Employment by Education/Training Requirement in Maine in 2004 and Projected 2014

Education/Training Requirement	Average Employment		Percent of Total Employment		Change in Employment		Average Annual Openings			2005 Average Wage
	2004	2014	2004	2014	Net	Percent	Growth	Replace-ment	Total	
Total	*668,728*	*717,100*	*100.0%*	*100.0%*	*48,372*	*7.2%*	*5,954*	*15,805*	*21,759*	*$16.31*
First Professional degree	9,282	10,358	1.4%	1.4%	1,076	11.6%	110	143	253	$56.23
Doctoral degree	3,907	4,429	0.6%	0.6%	522	13.4%	54	93	147	$27.51
Master's degree	15,168	17,088	2.3%	2.4%	1,920	12.7%	190	305	495	$21.18
Bachelor's degree plus work experience	30,329	33,505	4.5%	4.7%	3,176	10.5%	321	570	891	$34.37
Bachelor's degree	67,571	73,251	10.1%	10.2%	5,680	8.4%	619	1,330	1,949	$23.26
Associate degree	27,092	31,748	4.1%	4.4%	4,656	17.2%	473	526	999	$22.48
Postsecondary vocational training	39,812	44,286	6.0%	6.2%	4,474	11.2%	473	773	1,246	$13.79
Work experience in a related occupation	51,845	55,230	7.8%	7.7%	3,385	6.5%	373	1,077	1,450	$19.88
Long-term on-the-job training	54,618	56,997	8.2%	7.9%	2,379	4.4%	338	1,162	1,500	$16.35
Moderate-term on-the-job training	133,165	136,476	19.9%	19.0%	3,311	2.5%	893	2,728	3,621	$14.31
Short-term on-the-job training	235,939	253,732	35.3%	35.4%	17,793	7.5%	2,133	7,131	9,264	$10.42

Average wages are for wage and salary workers and do not include the self-employed. The average by education/training requirement is an estimate calculated using 2005 wages and 2004 employment.

Forty Occupations with the Largest Projected Number of Annual Openings in Maine Between 2004 and 2014							
SOC Code	Occupation	Average Employment		Average Annual Openings			Education/Training Requirement
		2004	2014	Growth	Replace-ment	Total	
41-2031	Retail Salespersons	18,493	21,003	251	672	923	Short-term on-the-job training
41-2011	Cashiers	16,629	17,240	61	809	870	Short-term on-the-job training
35-3031	Waiters and Waitresses	10,807	12,134	133	556	689	Short-term on-the-job training
35-3021	Combined Food Preparation and Serving Workers, Including Fast Food	11,513	13,203	169	499	668	Short-term on-the-job training
29-1111	Registered Nurses	13,837	16,613	278	290	568	Associate degree
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	9,892	9,975	8	323	331	Short-term on-the-job training
11-1021	General and Operations Managers	10,273	11,583	131	194	325	Bachelor's degree plus work experience
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	11,208	12,296	109	213	322	Short-term on-the-job training
35-2021	Food Preparation Workers	6,401	7,283	88	226	314	Short-term on-the-job training
43-9061	Office Clerks, General	12,517	12,850	33	277	310	Short-term on-the-job training
53-3032	Truck Drivers, Heavy and Tractor-Trailer	11,188	12,126	94	183	277	Moderate-term on-the-job training
39-9021	Personal and Home Care Aides	5,875	7,656	178	94	272	Short-term on-the-job training
37-2012	Maids and Housekeeping Cleaners	8,283	9,147	86	174	260	Short-term on-the-job training
43-4051	Customer Service Representatives	8,406	9,724	132	125	257	Moderate-term on-the-job training
43-5081	Stock Clerks and Order Fillers	6,725	6,226	0	249	249	Short-term on-the-job training
39-9011	Child Care Workers	6,959	7,430	47	190	237	Short-term on-the-job training
41-1011	First-Line Supervisors/Managers of Retail Sales Workers	9,811	10,345	53	176	229	Work experience in a related occupation
31-1012	Nursing Aides, Orderlies, and Attendants	9,209	10,285	108	121	229	Postsecondary vocational training
43-6014	Secretaries, Except Legal, Medical, and Executive	10,687	9,850	0	205	205	Moderate-term on-the-job training
41-4012	Sales Representatives, Wholesale & Manufacturing, Except Technical & Scientific Products	5,043	5,739	70	132	202	Moderate-term on-the-job training
49-3023	Automotive Service Technicians and Mechanics	4,832	5,482	65	129	194	Postsecondary vocational training
47-2031	Carpenters	9,591	9,889	30	156	186	Long-term on-the-job training
35-2014	Cooks, Restaurant	4,325	4,846	52	134	186	Long-term on-the-job training
21-1093	Social and Human Service Assistants	4,076	5,189	111	72	183	Moderate-term on-the-job training
43-3031	Bookkeeping, Accounting, and Auditing Clerks	8,965	9,103	14	168	182	Moderate-term on-the-job training
43-1011	First-Line Supervisors/Managers of Office and Administrative Support Workers	6,745	7,110	37	145	182	Work experience in a related occupation
37-3011	Landscaping and Groundskeeping Workers	5,425	6,033	61	118	179	Short-term on-the-job training
25-9041	Teacher Assistants	8,070	8,291	22	156	178	Short-term on-the-job training
25-2031	Secondary School Teachers, Except Special and Vocational Education	6,105	6,159	5	172	177	Bachelor's degree
43-3071	Tellers	2,657	3,106	45	131	176	Short-term on-the-job training
31-1011	Home Health Aides	3,859	5,044	119	51	170	Short-term on-the-job training
25-2021	Elementary School Teachers, Except Special Education	6,457	6,642	19	143	162	Bachelor's degree
49-9042	Maintenance and Repair Workers, General	5,726	6,226	50	110	160	Moderate-term on-the-job training
35-9021	Dishwashers	3,533	3,892	36	119	155	Short-term on-the-job training
35-1012	First-Line Supervisors/Managers of Food Preparation and Serving Workers	4,000	4,527	53	95	148	Work experience in a related occupation
43-4171	Receptionists and Information Clerks	3,432	3,841	41	84	125	Short-term on-the-job training
35-3022	Counter Attendants, Cafeteria, Food Concession, and Coffee Shop	1,511	1,750	24	99	123	Short-term on-the-job training
35-3011	Bartenders	2,169	2,482	31	86	117	Short-term on-the-job training
35-2011	Cooks, Fast Food	2,470	2,855	39	77	116	Short-term on-the-job training
33-2011	Fire Fighters	2,122	2,633	51	62	113	Long-term on-the-job training

Forty Occupations with the Largest Projected Net Job Growth in Maine Between 2004 and 2014					
SOC Code	Occupation	Average Employment		Net Growth	Education/Training Requirement
		2004	2014		
29-1111	Registered Nurses	13,837	16,613	2,776	Associate degree
41-2031	Retail Salespersons	18,493	21,003	2,510	Short-term on-the-job training
39-9021	Personal and Home Care Aides	5,875	7,656	1,781	Short-term on-the-job training
35-3021	Combined Food Preparation and Serving Workers, Including Fast Food	11,513	13,203	1,690	Short-term on-the-job training
35-3031	Waiters and Waitresses	10,807	12,134	1,327	Short-term on-the-job training
43-4051	Customer Service Representatives	8,406	9,724	1,318	Moderate-term on-the-job training
11-1021	General and Operations Managers	10,273	11,583	1,310	Bachelor's degree plus work experience
31-1011	Home Health Aides	3,859	5,044	1,185	Short-term on-the-job training
21-1093	Social and Human Service Assistants	4,076	5,189	1,113	Moderate-term on-the-job training
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	11,208	12,296	1,088	Short-term on-the-job training
31-1012	Nursing Aides, Orderlies, and Attendants	9,209	10,285	1,076	Postsecondary vocational training
53-3032	Truck Drivers, Heavy and Tractor-Trailer	11,188	12,126	938	Moderate-term on-the-job training
35-2021	Food Preparation Workers	6,401	7,283	882	Short-term on-the-job training
37-2012	Maids and Housekeeping Cleaners	8,283	9,147	864	Short-term on-the-job training
41-4012	Sales Representatives, Wholesale & Manufacturing, Except Technical & Scientific Products	5,043	5,739	696	Moderate-term on-the-job training
49-3023	Automotive Service Technicians and Mechanics	4,832	5,482	650	Postsecondary vocational training
41-2011	Cashiers	16,629	17,240	611	Short-term on-the-job training
37-3011	Landscaping and Groundskeeping Workers	5,425	6,033	608	Short-term on-the-job training
53-3033	Truck Drivers, Light or Delivery Services	4,795	5,382	587	Short-term on-the-job training
41-1011	First-Line Supervisors/Managers of Retail Sales Workers	9,811	10,345	534	Work experience in a related occupation
35-1012	First-Line Supervisors/Managers of Food Preparation and Serving Workers	4,000	4,527	527	Work experience in a related occupation
35-2014	Cooks, Restaurant	4,325	4,846	521	Long-term on-the-job training
31-9092	Medical Assistants	1,516	2,031	515	Moderate-term on-the-job training
33-2011	Fire Fighters	2,122	2,633	511	Long-term on-the-job training
49-9042	Maintenance and Repair Workers, General	5,726	6,226	500	Moderate-term on-the-job training
21-1023	Mental Health and Substance Abuse Social Workers	2,011	2,502	491	Master's degree
39-9011	Child Care Workers	6,959	7,430	471	Short-term on-the-job training
43-3071	Tellers	2,657	3,106	449	Short-term on-the-job training
47-4051	Highway Maintenance Workers	2,310	2,749	439	Moderate-term on-the-job training
43-4171	Receptionists and Information Clerks	3,432	3,841	409	Short-term on-the-job training
35-2011	Cooks, Fast Food	2,470	2,855	385	Short-term on-the-job training
39-5012	Hairdressers, Hairstylists, and Cosmetologists	3,503	3,884	381	Postsecondary vocational training
25-2011	Preschool Teachers, Except Special Education	2,048	2,428	380	Postsecondary vocational training
43-1011	First-Line Supervisors/Managers of Office and Administrative Support Workers	6,745	7,110	365	Work experience in a related occupation
35-9021	Dishwashers	3,533	3,892	359	Short-term on-the-job training
41-2021	Counter and Rental Clerks	1,849	2,204	355	Short-term on-the-job training
23-1011	Lawyers	2,972	3,326	354	First professional degree
41-9022	Real Estate Sales Agents	1,112	1,452	340	Postsecondary vocational training
21-1021	Child, Family, and School Social Workers	2,153	2,489	336	Bachelor's degree
43-9061	Office Clerks, General	12,517	12,850	333	Short-term on-the-job training

Forty Occupations with the Fastest Projected Rate of Job Growth in Maine Between 2004 and 2014					
SOC Code	Occupation	Average Employment		Growth Rate	Education/Training Requirement
		2004	2014		
29-2056	Veterinary Technologists and Technicians	373	543	45.6%	Associate degree
49-3092	Recreational Vehicle Service Technicians	136	196	44.1%	Long-term on-the-job training
15-1081	Network Systems and Data Communications Analysts	521	736	41.3%	Bachelor's degree
49-3052	Motorcycle Mechanics	107	147	37.4%	Long-term on-the-job training
31-2021	Physical Therapist Assistants	301	406	34.9%	Associate degree
31-9092	Medical Assistants	1,516	2,031	34.0%	Moderate-term on-the-job training
27-3091	Interpreters and Translators	252	334	32.5%	Long-term on-the-job training
27-3021	Broadcast News Analysts	105	139	32.4%	Bachelor's degree plus work experience
29-1071	Physician Assistants	736	974	32.3%	Bachelor's degree
31-1011	Home Health Aides	3,859	5,044	30.7%	Short-term on-the-job training
41-9022	Real Estate Sales Agents	1,112	1,452	30.6%	Postsecondary vocational training
39-4021	Funeral Attendants	188	245	30.3%	Short-term on-the-job training
39-9021	Personal and Home Care Aides	5,875	7,656	30.3%	Short-term on-the-job training
11-9141	Property, Real Estate, and Community Association Managers	938	1,219	30.0%	Bachelor's degree
15-1032	Computer Software Engineers, Systems Software	324	420	29.6%	Bachelor's degree
15-1061	Database Administrators	321	415	29.3%	Bachelor's degree
21-1093	Social and Human Service Assistants	4,076	5,189	27.3%	Moderate-term on-the-job training
33-9091	Crossing Guards	440	559	27.0%	Short-term on-the-job training
31-9091	Dental Assistants	1,021	1,296	26.9%	Moderate-term on-the-job training
53-4031	Railroad Conductors and Yardmasters	134	170	26.9%	Moderate-term on-the-job training
29-2021	Dental Hygienists	813	1,030	26.7%	Associate degree
15-1071	Network and Computer Systems Administrators	993	1,253	26.2%	Bachelor's degree
15-1031	Computer Software Engineers, Applications	978	1,229	25.7%	Bachelor's degree
31-9096	Veterinary Assistants and Laboratory Animal Caretakers	518	650	25.5%	Short-term on-the-job training
29-2052	Pharmacy Technicians	1,288	1,614	25.3%	Moderate-term on-the-job training
21-1015	Rehabilitation Counselors	1,251	1,560	24.7%	Master's degree
21-1023	Mental Health and Substance Abuse Social Workers	2,011	2,502	24.4%	Master's degree
33-2011	Fire Fighters	2,122	2,633	24.1%	Long-term on-the-job training
21-1014	Mental Health Counselors	850	1,054	24.0%	Master's degree
39-2011	Animal Trainers	139	172	23.7%	Moderate-term on-the-job training
25-3021	Self-Enrichment Education Teachers	860	1,061	23.4%	Work experience in a related occupation
23-2011	Paralegals and Legal Assistants	938	1,156	23.2%	Associate degree
25-9031	Instructional Coordinators	339	417	23.0%	Master's degree
29-1131	Veterinarians	422	519	23.0%	First professional degree
47-2044	Tile and Marble Setters	105	129	22.9%	Long-term on-the-job training
39-9031	Fitness Trainers and Aerobics Instructors	1,065	1,308	22.8%	Postsecondary vocational training
31-9011	Massage Therapists	495	607	22.6%	Postsecondary vocational training
29-2011	Medical and Clinical Laboratory Technologists	834	1,020	22.3%	Bachelor's degree
33-9092	Lifeguards, Ski Patrol, and Other Recreational Protective Service Workers	195	238	22.1%	Short-term on-the-job training
53-3021	Bus Drivers, Transit and Intercity	651	794	22.0%	Moderate-term on-the-job training

Occupations with fewer than 100 jobs in 2004 were excluded from this list.

Forty Occupations with the Largest Projected Net Job Loss in Maine Between 2004 and 2014					
SOC Code	Occupation	Average Employment		Net Decline	Education/Training Requirement
		2004	2014		
43-6014	Secretaries, Except Legal, Medical, and Executive	10,687	9,850	-837	Moderate-term on-the-job training
43-5081	Stock Clerks and Order Fillers	6,725	6,226	-499	Short-term on-the-job training
41-9041	Telemarketers	2,971	2,597	-374	Short-term on-the-job training
43-9022	Word Processors and Typists	1,278	964	-314	Moderate-term on-the-job training
51-6031	Sewing Machine Operators	1,143	836	-307	Moderate-term on-the-job training
51-7042	Woodworking Machine Setters, Operators, and Tenders, Except Sawing	1,051	771	-280	Moderate-term on-the-job training
43-9051	Mail Clerks and Mail Machine Operators, Except Postal Service	663	400	-263	Short-term on-the-job training
43-5052	Postal Service Mail Carriers	1,635	1,391	-244	Short-term on-the-job training
43-4071	File Clerks	546	319	-227	Short-term on-the-job training
51-2092	Team Assemblers	3,918	3,700	-218	Moderate-term on-the-job training
51-7041	Sawing Machine Setters, Operators, and Tenders, Wood	989	789	-200	Moderate-term on-the-job training
45-4021	Fallers	1,165	969	-196	Moderate-term on-the-job training
41-3021	Insurance Sales Agents	3,347	3,169	-178	Bachelor's degree
43-9011	Computer Operators	473	299	-174	Moderate-term on-the-job training
43-5053	Postal Service Mail Sorters, Processors, and Processing Machine Operators	1,128	961	-167	Short-term on-the-job training
47-2141	Painters, Construction and Maintenance	3,451	3,294	-157	Moderate-term on-the-job training
51-9111	Packaging and Filling Machine Operators and Tenders	1,517	1,367	-150	Short-term on-the-job training
51-9121	Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	686	538	-148	Moderate-term on-the-job training
17-3013	Mechanical Drafters	797	650	-147	Postsecondary vocational training
43-2011	Switchboard Operators, Including Answering Service	1,077	931	-146	Short-term on-the-job training
53-7063	Machine Feeders and Offbearers	600	455	-145	Short-term on-the-job training
51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	1,886	1,747	-139	Moderate-term on-the-job training
51-2041	Structural Metal Fabricators and Fitters	798	665	-133	Moderate-term on-the-job training
43-9021	Data Entry Keyers	1,075	946	-129	Moderate-term on-the-job training
51-9196	Paper Goods Machine Setters, Operators, and Tenders	1,037	911	-126	Moderate-term on-the-job training
47-2111	Electricians	3,649	3,527	-122	Long-term on-the-job training
51-9032	Cutting and Slicing Machine Setters, Operators, and Tenders	801	680	-121	Moderate-term on-the-job training
15-1021	Computer Programmers	854	734	-120	Bachelor's degree
51-1011	First-Line Supervisors/Managers of Production and Operating Workers	3,722	3,602	-120	Work experience in a related occupation
33-9032	Security Guards	2,463	2,351	-112	Short-term on-the-job training
51-4031	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	489	382	-107	Moderate-term on-the-job training
51-6042	Shoe Machine Operators and Tenders	211	108	-103	Moderate-term on-the-job training
51-2091	Fiberglass Laminators and Fabricators	470	371	-99	Moderate-term on-the-job training
49-9044	Millwrights	843	744	-99	Long-term on-the-job training
51-6064	Textile Winding, Twisting, and Drawing Out Machine Setters, Operators, and Tenders	292	194	-98	Moderate-term on-the-job training
43-5041	Meter Readers, Utilities	198	105	-93	Short-term on-the-job training
43-9041	Insurance Claims and Policy Processing Clerks	1,350	1,259	-91	Moderate-term on-the-job training
51-8021	Stationary Engineers and Boiler Operators	561	471	-90	Long-term on-the-job training
43-3021	Billing and Posting Clerks and Machine Operators	2,496	2,407	-89	Moderate-term on-the-job training
43-5051	Postal Service Clerks	577	492	-85	Short-term on-the-job training

Forty Occupations with the Fastest Projected Rate of Job Loss in Maine Between 2004 and 2014					
SOC Code	Occupation	Average Employment		Rate of Decline	Education/Training Requirement
		2004	2014		
51-6042	Shoe Machine Operators and Tenders	211	108	-48.8%	Moderate-term on-the-job training
43-5041	Meter Readers, Utilities	198	105	-47.0%	Short-term on-the-job training
43-4071	File Clerks	546	319	-41.6%	Short-term on-the-job training
43-4041	Credit Authorizers, Checkers, and Clerks	151	91	-39.7%	Short-term on-the-job training
43-9051	Mail Clerks and Mail Machine Operators, Except Postal Service	663	400	-39.7%	Short-term on-the-job training
43-9011	Computer Operators	473	299	-36.8%	Moderate-term on-the-job training
51-6064	Textile Winding, Twisting, and Drawing Out Machine Setters, Operators, and Tenders	292	194	-33.6%	Moderate-term on-the-job training
51-2021	Coil Winders, Tapers, and Finishers	163	118	-27.6%	Short-term on-the-job training
51-6031	Sewing Machine Operators	1,143	836	-26.9%	Moderate-term on-the-job training
51-7042	Woodworking Machine Setters, Operators, and Tenders, Except Sawing	1,051	771	-26.6%	Moderate-term on-the-job training
43-9071	Office Machine Operators, Except Computer	196	147	-25.0%	Short-term on-the-job training
43-9022	Word Processors and Typists	1,278	964	-24.6%	Moderate-term on-the-job training
53-7063	Machine Feeders and Offbearers	600	455	-24.2%	Short-term on-the-job training
47-2132	Insulation Workers, Mechanical	354	276	-22.0%	Moderate-term on-the-job training
51-4031	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	489	382	-21.9%	Moderate-term on-the-job training
51-9121	Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	686	538	-21.6%	Moderate-term on-the-job training
51-2091	Fiberglass Laminators and Fabricators	470	371	-21.1%	Moderate-term on-the-job training
51-7041	Sawing Machine Setters, Operators, and Tenders, Wood	989	789	-20.2%	Moderate-term on-the-job training
51-6041	Shoe and Leather Workers and Repairers	151	121	-19.9%	Long-term on-the-job training
53-6021	Parking Lot Attendants	165	133	-19.4%	Short-term on-the-job training
17-3013	Mechanical Drafters	797	650	-18.4%	Postsecondary vocational training
51-9131	Photographic Process Workers	142	116	-18.3%	Moderate-term on-the-job training
51-7021	Furniture Finishers	183	152	-16.9%	Long-term on-the-job training
45-4021	Fallers	1,165	969	-16.8%	Moderate-term on-the-job training
51-2041	Structural Metal Fabricators and Fitters	798	665	-16.7%	Moderate-term on-the-job training
51-8021	Stationary Engineers and Boiler Operators	561	471	-16.0%	Long-term on-the-job training
51-9191	Cementing and Gluing Machine Operators and Tenders	125	105	-16.0%	Moderate-term on-the-job training
51-6021	Pressers, Textile, Garment, and Related Materials	164	138	-15.9%	Short-term on-the-job training
51-4032	Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic	131	111	-15.3%	Moderate-term on-the-job training
51-9032	Cutting and Slicing Machine Setters, Operators, and Tenders	801	680	-15.1%	Moderate-term on-the-job training
51-4122	Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	214	182	-15.0%	Moderate-term on-the-job training
43-5052	Postal Service Mail Carriers	1,635	1,391	-14.9%	Short-term on-the-job training
11-9131	Postmasters and Mail Superintendents	390	332	-14.9%	Work experience in a related occupation
43-5053	Postal Service Mail Sorters, Processors, and Processing Machine Operators	1,128	961	-14.8%	Short-term on-the-job training
43-5051	Postal Service Clerks	577	492	-14.7%	Short-term on-the-job training
13-2082	Tax Preparers	397	340	-14.4%	Moderate-term on-the-job training
43-4061	Eligibility Interviewers, Government Programs	583	500	-14.2%	Moderate-term on-the-job training
15-1021	Computer Programmers	854	734	-14.1%	Bachelor's degree
51-4033	Grinding/Lapping/Polishing & Buffing Machine Tool Setters/Operators/Tenders, Metal & Plastic	260	224	-13.8%	Moderate-term on-the-job training
43-2011	Switchboard Operators, Including Answering Service	1,077	931	-13.6%	Short-term on-the-job training

Occupations with fewer than 100 jobs in 2004 were excluded from this list.

Employment and Job Openings for All Occupations in Maine in 2004 and Projected 2014

(Sorted by Occupational Group)

SOC Code	Occupation	Average Employment		Change in Employment		Average Annual Openings			2005 Avg. Wage	Education/Training Requirement
		2004	2014	Net	Percent	Growth	Replace-ment	Total		
	Total, All Occupations	**668,728**	**717,100**	**48,372**	**7.2%**	**5,954**	**15,805**	**21,759**	**$16.31**	**NA**
11-0000	**Management Occupations**	**40,582**	**44,582**	**4,000**	**9.9%**	**416**	**723**	**1,139**	**$33.45**	**NA**
11-1011	Chief Executives	1,387	1,512	125	9.0%	13	26	39	$52.85	Bachelor's degree plus work experience
11-1021	General and Operations Managers	10,273	11,583	1,310	12.8%	131	194	325	$38.07	Bachelor's degree plus work experience
11-1031	Legislators	505	518	13	2.6%	1	7	8	$24,190	Bachelor's degree plus work experience
11-2011	Advertising and Promotions Managers	388	463	75	19.3%	8	7	15	$26.42	Bachelor's degree plus work experience
11-2021	Marketing Managers	748	879	131	17.5%	13	14	27	$35.85	Bachelor's degree plus work experience
11-2022	Sales Managers	1,309	1,500	191	14.6%	19	24	43	$36.96	Bachelor's degree plus work experience
11-2031	Public Relations Managers	249	281	32	12.9%	3	4	7	$31.83	Bachelor's degree plus work experience
11-3011	Administrative Services Managers	1,079	1,166	87	8.1%	9	21	30	$26.40	Bachelor's degree plus work experience
11-3021	Computer and Information Systems Managers	1,026	1,151	125	12.2%	13	19	32	$38.24	Bachelor's degree plus work experience
11-3031	Financial Managers	2,832	3,164	332	11.7%	33	41	74	$33.65	Bachelor's degree plus work experience
11-3041	Compensation and Benefits Managers	296	325	29	9.8%	3	5	8	$31.49	Bachelor's degree plus work experience
11-3042	Training and Development Managers	184	222	38	20.7%	4	3	7	$30.72	Bachelor's degree plus work experience
11-3049	Human Resources Managers, All Other	353	384	31	8.8%	3	6	9	$31.68	Bachelor's degree plus work experience
11-3051	Industrial Production Managers	702	654	-48	-6.8%	0	14	14	$34.33	Work experience in a related occupation
11-3061	Purchasing Managers	311	304	-7	-2.3%	0	7	7	$33.15	Bachelor's degree plus work experience
11-3071	Transportation, Storage, and Distribution Managers	612	669	57	9.3%	6	12	18	$29.28	Work experience in a related occupation
11-9011	Farm, Ranch, and Other Agricultural Managers	518	625	107	20.7%	11	9	20	$29.03	Bachelor's degree plus work experience
11-9012	Farmers and Ranchers	2,746	2,835	89	3.2%	9	16	25	NA	Long-term on-the-job training
11-9021	Construction Managers	1,968	2,042	74	3.8%	7	36	43	$33.40	Bachelor's degree
11-9031	Education Administrators, Preschool and Child Care Center/Program	168	192	24	14.3%	2	4	6	$16.78	Bachelor's degree plus work experience
11-9032	Education Administrators, Elementary and Secondary School	1,462	1,472	10	0.7%	1	36	37	$61,750	Bachelor's degree plus work experience
11-9033	Education Administrators, Postsecondary	627	664	37	5.9%	4	16	20	$28.62	Bachelor's degree plus work experience
11-9039	Education Administrators, All Other	174	191	17	9.8%	2	4	6	$23.06	Bachelor's degree plus work experience
11-9041	Engineering Managers	769	780	11	1.4%	1	15	16	$44.90	Bachelor's degree plus work experience
11-9051	Food Service Managers	1,871	2,052	181	9.7%	18	31	49	$20.63	Work experience in a related occupation
11-9061	Funeral Directors	179	209	30	16.8%	3	5	8	$26.97	Associate degree
11-9081	Lodging Managers	1,030	1,216	186	18.1%	19	17	36	$21.05	Work experience in a related occupation
11-9111	Medical and Health Services Managers	1,544	1,794	250	16.2%	25	30	55	$34.81	Bachelor's degree plus work experience
11-9121	Natural Sciences Managers	203	221	18	8.9%	2	4	6	$36.99	Bachelor's degree plus work experience

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		2004	2014	Net	Percent	Growth	Replace-ment	Total		
11-9131	Postmasters and Mail Superintendents	390	332	-58	-14.9%	0	7	7	$24.38	Work experience in a related occupation
11-9141	Property, Real Estate, and Community Association Managers	938	1,219	281	30.0%	28	18	46	$21.25	Bachelor's degree
11-9151	Social and Community Service Managers	1,370	1,643	273	19.9%	27	26	53	$21.59	Bachelor's degree
11-9199	Managers, All Other	2,369	2,318	-51	-2.2%	0	46	46	$34.12	Work experience in a related occupation
13-0000	**Business and Financial Operations Occupations**	**21,953**	**23,975**	**2,022**	**9.2%**	**210**	**394**	**604**	**$23.66**	**NA**
13-1021	Purchasing Agents and Buyers, Farm Products	219	245	26	11.9%	3	8	11	$21.21	Work experience in a related occupation
13-1022	Wholesale and Retail Buyers, Except Farm Products	887	967	80	9.0%	8	23	31	$19.65	Work experience in a related occupation
13-1023	Purchasing Agents, Except Wholesale, Retail, and Farm Products	914	945	31	3.4%	3	23	26	$20.42	Work experience in a related occupation
13-1032	Insurance Appraisers, Auto Damage	58	63	5	8.6%	1	1	2	$20.88	Long-term on-the-job training
13-1041	Compliance Officers, Except Agriculture, Construction, Health & Safety & Transportation	639	707	68	10.6%	7	15	22	$21.35	Long-term on-the-job training
13-1051	Cost Estimators	651	726	75	11.5%	8	15	23	$23.83	Work experience in a related occupation
13-1061	Emergency Management Specialists	54	65	11	20.4%	1	1	2	$20.62	Work experience in a related occupation
13-1071	Employment, Recruitment, and Placement Specialists	407	451	44	10.8%	4	6	10	$20.76	Bachelor's degree
13-1072	Compensation, Benefits, and Job Analysis Specialists	735	807	72	9.8%	7	11	18	$20.97	Bachelor's degree
13-1073	Training and Development Specialists	1,026	1,173	147	14.3%	15	16	31	$21.76	Bachelor's degree
13-1079	Human Resources, Training, and Labor Relations Specialists, All Other	352	414	62	17.6%	6	6	12	$21.79	Bachelor's degree
13-1081	Logisticians	36	37	1	2.8%	0	1	1	*$24.23*	Bachelor's degree
13-1111	Management Analysts	1,829	1,837	8	0.4%	1	25	26	$27.71	Bachelor's degree plus work experience
13-1121	Meeting and Convention Planners	156	185	29	18.6%	3	3	6	$17.21	Bachelor's degree
13-1199	Business Operations Specialists, All Other	3,710	4,528	818	22.0%	82	63	145	$25.33	Bachelor's degree
13-2011	Accountants and Auditors	3,587	3,804	217	6.0%	22	68	90	$24.33	Bachelor's degree
13-2021	Appraisers and Assessors of Real Estate	667	751	84	12.6%	8	14	22	$21.68	Postsecondary vocational training
13-2031	Budget Analysts	178	192	14	7.9%	1	3	4	$25.04	Bachelor's degree
13-2051	Financial Analysts	337	380	43	12.8%	4	5	9	$31.25	Bachelor's degree
13-2052	Personal Financial Advisors	534	625	91	17.0%	9	7	16	$46.77	Bachelor's degree
13-2053	Insurance Underwriters	623	605	-18	-2.9%	0	11	11	$24.04	Bachelor's degree
13-2061	Financial Examiners	73	80	7	9.6%	1	2	3	$26.04	Bachelor's degree
13-2071	Loan Counselors	99	105	6	6.1%	1	2	3	$18.46	Bachelor's degree
13-2072	Loan Officers	1,258	1,308	50	4.0%	5	20	25	$24.86	Bachelor's degree
13-2081	Tax Examiners, Collectors, and Revenue Agents	392	415	23	5.9%	2	9	11	$19.35	Bachelor's degree
13-2082	Tax Preparers	397	340	-57	-14.4%	0	7	7	$16.42	Moderate-term on-the-job training

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13-2099	Financial Specialists, All Other	421	452	31	7.4%	3	7	10	$24.63	Bachelor's degree
15-0000	**Computer and Mathematical Occupations**	**7,494**	**8,671**	**1,177**	**15.7%**	**130**	**103**	**233**	**$26.24**	**NA**
15-1021	Computer Programmers	854	734	-120	-14.1%	0	20	20	$25.10	Bachelor's degree
15-1031	Computer Software Engineers, Applications	978	1,229	251	25.7%	25	10	35	$32.55	Bachelor's degree
15-1032	Computer Software Engineers, Systems Software	324	420	96	29.6%	10	3	13	$32.57	Bachelor's degree
15-1041	Computer Support Specialists	1,713	1,885	172	10.0%	17	21	38	$17.53	Associate degree
15-1051	Computer Systems Analysts	1,186	1,365	179	15.1%	18	13	31	$30.25	Bachelor's degree
15-1061	Database Administrators	321	415	94	29.3%	9	3	12	$27.26	Bachelor's degree
15-1071	Network and Computer Systems Administrators	993	1,253	260	26.2%	26	11	37	$25.62	Bachelor's degree
15-1081	Network Systems and Data Communications Analysts	521	736	215	41.3%	22	6	28	$29.42	Bachelor's degree
15-1099	Computer Specialists, All Other	195	210	15	7.7%	2	2	4	$26.43	Associate degree
15-2031	Operations Research Analysts	162	175	13	8.0%	1	4	5	$29.16	Master's degree
15-2041	Statisticians	71	70	-1	-1.4%	0	2	2	$28.06	Master's degree
17-0000	**Architecture and Engineering Occupations**	**9,592**	**9,619**	**27**	**0.3%**	**32**	**222**	**254**	**$27.37**	**NA**
17-1011	Architects, Except Landscape and Naval	369	402	33	8.9%	3	4	7	$28.26	Bachelor's degree
17-1012	Landscape Architects	89	96	7	7.9%	1	1	2	$26.65	Bachelor's degree
17-1021	Cartographers and Photogrammetrists	84	86	2	2.4%	0	3	3	$18.87	Bachelor's degree
17-1022	Surveyors	265	273	8	3.0%	1	9	10	$21.68	Bachelor's degree
17-2031	Biomedical Engineers	24	26	2	8.3%	0	0	0	$31.11	Bachelor's degree
17-2041	Chemical Engineers	173	174	1	0.6%	0	5	5	$36.13	Bachelor's degree
17-2051	Civil Engineers	779	816	37	4.7%	4	12	16	$31.08	Bachelor's degree
17-2061	Computer Hardware Engineers	12	13	1	8.3%	0	0	0	*$36.85*	Bachelor's degree
17-2071	Electrical Engineers	323	338	15	4.6%	2	6	8	$32.33	Bachelor's degree
17-2072	Electronics Engineers, Except Computer	301	316	15	5.0%	2	6	8	$35.65	Bachelor's degree
17-2081	Environmental Engineers	332	393	61	18.4%	6	6	12	$29.68	Bachelor's degree
17-2111	Health and Safety Engineers, Except Mining Safety Engineers and Inspectors	125	131	6	4.8%	1	3	4	$24.96	Bachelor's degree
17-2112	Industrial Engineers	435	449	14	3.2%	1	11	12	$31.11	Bachelor's degree
17-2121	Marine Engineers and Naval Architects	43	42	-1	-2.3%	0	2	2	$33.17	Bachelor's degree
17-2131	Materials Engineers	38	39	1	2.6%	0	1	1	$33.18	Bachelor's degree
17-2141	Mechanical Engineers	638	647	9	1.4%	1	17	18	$31.08	Bachelor's degree
17-2161	Nuclear Engineers	165	167	2	1.2%	0	5	5	$35.33	Bachelor's degree

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17-2199	Engineers, All Other	525	473	-52	-9.9%	0	10	10	$36.79	Bachelor's degree
17-3011	Architectural and Civil Drafters	450	416	-34	-7.6%	0	13	13	$18.01	Postsecondary vocational training
17-3012	Electrical and Electronics Drafters	118	117	-1	-0.8%	0	3	3	$20.71	Postsecondary vocational training
17-3013	Mechanical Drafters	797	650	-147	-18.4%	0	22	22	$23.12	Postsecondary vocational training
17-3019	Drafters, All Other	164	148	-16	-9.8%	0	4	4	$19.81	Postsecondary vocational training
17-3022	Civil Engineering Technicians	613	636	23	3.8%	2	13	15	$19.02	Associate degree
17-3023	Electrical and Electronic Engineering Technicians	532	577	45	8.5%	5	11	16	$22.15	Associate degree
17-3024	Electro-Mechanical Technicians	277	271	-6	-2.2%	0	6	6	*$22.60*	Associate degree
17-3025	Environmental Engineering Technicians	89	98	9	10.1%	1	2	3	$17.42	Associate degree
17-3026	Industrial Engineering Technicians	241	225	-16	-6.6%	0	5	5	$20.96	Associate degree
17-3027	Mechanical Engineering Technicians	57	64	7	12.3%	1	1	2	$21.28	Associate degree
17-3029	Engineering Technicians, Except Drafters, All Other	563	589	26	4.6%	3	14	17	$27.67	Associate degree
17-3031	Surveying and Mapping Technicians	272	263	-9	-3.3%	0	10	10	$14.89	Moderate-term on-the-job training
19-0000	**Life, Physical, and Social Science Occupations**	**5,036**	**5,541**	**505**	**10.0%**	**51**	**116**	**167**	**$22.85**	**NA**
19-1012	Food Scientists and Technologists	36	38	2	5.6%	0	1	1	$26.04	Bachelor's degree
19-1013	Soil and Plant Scientists	57	63	6	10.5%	1	1	2	$24.61	Bachelor's degree
19-1021	Biochemists and Biophysicists	66	84	18	27.3%	2	2	4	$30.09	Doctoral degree
19-1022	Microbiologists	86	87	1	1.2%	0	3	3	$26.54	Doctoral degree
19-1023	Zoologists and Wildlife Biologists	185	197	12	6.5%	1	6	7	$23.33	Bachelor's degree
19-1031	Conservation Scientists	74	75	1	1.4%	0	2	2	$23.09	Bachelor's degree
19-1032	Foresters	159	157	-2	-1.3%	0	5	5	$23.76	Bachelor's degree
19-1041	Epidemiologists	13	15	2	15.4%	0	0	0	$29.54	Master's degree
19-2012	Physicists	45	46	1	2.2%	0	2	2	$42.72	Doctoral degree
19-2021	Atmospheric and Space Scientists	28	28	0	0.0%	0	1	1	$35.32	Bachelor's degree
19-2031	Chemists	167	164	-3	-1.8%	0	6	6	$22.47	Bachelor's degree
19-2032	Materials Scientists	11	11	0	0.0%	0	0	0	*$20.39*	Bachelor's degree
19-2041	Environmental Scientists and Specialists, Including Health	645	656	11	1.7%	1	12	13	$22.51	Master's degree
19-2042	Geoscientists, Except Hydrologists and Geographers	106	110	4	3.8%	0	2	2	$23.40	Master's degree
19-2043	Hydrologists	89	108	19	21.3%	2	2	4	$30.99	Master's degree
19-3011	Economists	45	45	0	0.0%	0	1	1	$26.77	Master's degree
19-3021	Market Research Analysts	263	308	45	17.1%	5	7	12	$24.23	Bachelor's degree

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19-3022	Survey Researchers	47	57	10	21.3%	1	1	2	$19.47	Bachelor's degree
19-3031	Clinical, Counseling, and School Psychologists	776	879	103	13.3%	10	17	27	$28.83	Doctoral degree
19-3039	Psychologists, All Other	21	22	1	4.8%	0	0	0	$35.28	Master's degree
19-3051	Urban and Regional Planners	113	126	13	11.5%	1	4	5	$22.17	Master's degree
19-3093	Historians	15	16	1	6.7%	0	0	0	$18.96	Master's degree
19-3099	Social Scientists and Related Workers, All Other	170	176	6	3.5%	1	4	5	$20.76	Master's degree
19-4011	Agricultural and Food Science Technicians	82	84	2	2.4%	0	2	2	$16.68	Associate degree
19-4031	Chemical Technicians	134	146	12	9.0%	1	3	4	$16.05	Associate degree
19-4041	Geological and Petroleum Technicians	18	20	2	11.1%	0	1	1	$15.81	Associate degree
19-4061	Social Science Research Assistants	65	67	2	3.1%	0	2	2	$14.74	Associate degree
19-4091	Environmental Science and Protection Technicians, Including Health	203	209	6	3.0%	1	5	6	$14.96	Associate degree
19-4092	Forensic Science Technicians	37	46	9	24.3%	1	1	2	$16.67	Associate degree
19-4093	Forest and Conservation Technicians	41	43	2	4.9%	0	1	1	$13.33	Associate degree
19-4099	Life, Physical, and Social Science Technicians, All Other	189	199	10	5.3%	1	4	5	$23.44	Associate degree
21-0000	**Community and Social Services Occupations**	**16,574**	**19,430**	**2,856**	**17.2%**	**288**	**315**	**603**	**$15.25**	**NA**
21-1011	Substance Abuse and Behavioral Disorder Counselors	458	546	88	19.2%	9	11	20	$16.07	Master's degree
21-1012	Educational, Vocational, and School Counselors	1,125	1,120	-5	-0.4%	0	26	26	$19.82	Master's degree
21-1013	Marriage and Family Therapists	34	40	6	17.6%	1	1	2	$17.29	Master's degree
21-1014	Mental Health Counselors	850	1,054	204	24.0%	20	19	39	$18.86	Master's degree
21-1015	Rehabilitation Counselors	1,251	1,560	309	24.7%	31	29	60	$13.15	Master's degree
21-1021	Child, Family, and School Social Workers	2,153	2,489	336	15.6%	34	37	71	$17.02	Bachelor's degree
21-1022	Medical and Public Health Social Workers	617	742	125	20.3%	13	11	24	$19.49	Bachelor's degree
21-1023	Mental Health and Substance Abuse Social Workers	2,011	2,502	491	24.4%	49	34	83	$17.78	Master's degree
21-1029	Social Workers, All Other	217	267	50	23.0%	5	4	9	$19.27	Bachelor's degree
21-1091	Health Educators	349	413	64	18.3%	6	6	12	$17.16	Master's degree
21-1092	Probation Officers and Correctional Treatment Specialists	385	400	15	3.9%	2	7	9	$15.77	Bachelor's degree
21-1093	Social and Human Service Assistants	4,076	5,189	1,113	27.3%	111	72	183	$11.20	Moderate-term on-the-job training
21-2011	Clergy	2,208	2,235	27	1.2%	3	45	48	$22.95	Master's degree
21-2021	Directors, Religious Activities and Education	230	246	16	7.0%	2	3	5	NA	Bachelor's degree
23-0000	**Legal Occupations**	**4,531**	**5,136**	**605**	**13.4%**	**61**	**53**	**114**	**$32.67**	**NA**
23-1011	Lawyers	2,972	3,326	354	11.9%	35	38	73	$41.93	First professional degree

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23-1021	Administrative Law Judges, Adjudicators, and Hearing Officers	139	141	2	1.4%	0	2	2	$25.50	Bachelor's degree plus work experience
23-1022	Arbitrators, Mediators, and Conciliators	19	21	2	10.5%	0	0	0	*$17.93*	Bachelor's degree plus work experience
23-1023	Judges, Magistrate Judges, and Magistrates	85	82	-3	-3.5%	0	1	1	$43.96	Bachelor's degree plus work experience
23-2011	Paralegals and Legal Assistants	938	1,156	218	23.2%	22	8	30	$20.00	Associate degree
23-2091	Court Reporters	35	36	1	2.9%	0	0	0	$22.57	Postsecondary vocational training
23-2092	Law Clerks	65	63	-2	-3.1%	0	1	1	$19.21	Bachelor's degree
23-2093	Title Examiners, Abstractors, and Searchers	80	81	1	1.3%	0	1	1	$14.78	Moderate-term on-the-job training
23-2099	Legal Support Workers, All Other	198	230	32	16.2%	3	2	5	$20.62	Bachelor's degree
25-0000	**Education, Training, and Library Occupations**	**41,141**	**43,393**	**2,252**	**5.5%**	**231**	**876**	**1,107**	**$17.67**	**NA**
25-1011	Business Teachers, Postsecondary	341	378	37	10.9%	4	8	12	$52,340	Master's degree
25-1021	Computer Science Teachers, Postsecondary	104	116	12	11.5%	1	2	3	$52,170	Master's degree
25-1022	Mathematical Science Teachers, Postsecondary	197	221	24	12.2%	2	4	6	$50,290	Master's degree
25-1042	Biological Science Teachers, Postsecondary	187	212	25	13.4%	3	4	7	$60,190	Doctoral degree
25-1052	Chemistry Teachers, Postsecondary	79	90	11	13.9%	1	2	3	$55,770	Doctoral degree
25-1053	Environmental Science Teachers, Postsecondary	41	48	7	17.1%	1	1	2	$53,460	Doctoral degree
25-1054	Physics Teachers, Postsecondary	58	65	7	12.1%	1	1	2	$70,070	Doctoral degree
25-1061	Anthropology and Archeology Teachers, Postsecondary	44	51	7	15.9%	1	1	2	$68,450	Doctoral degree
25-1063	Economics Teachers, Postsecondary	85	96	11	12.9%	1	2	3	$66,100	Doctoral degree
25-1066	Psychology Teachers, Postsecondary	110	124	14	12.7%	1	3	4	$55,970	Doctoral degree
25-1067	Sociology Teachers, Postsecondary	68	77	9	13.2%	1	2	3	$57,000	Doctoral degree
25-1071	Health Specialties Teachers, Postsecondary	259	299	40	15.4%	4	6	10	$51,590	Master's degree
25-1072	Nursing Instructors and Teachers, Postsecondary	252	284	32	12.7%	3	6	9	$47,910	Doctoral degree
25-1111	Criminal Justice and Law Enforcement Teachers, Postsecondary	39	44	5	12.8%	1	1	2	$45,920	Doctoral degree
25-1123	English Language and Literature Teachers, Postsecondary	272	306	34	12.5%	3	6	9	$51,680	Master's degree
25-1124	Foreign Language and Literature Teachers, Postsecondary	120	137	17	14.2%	2	3	5	$47,910	Master's degree
25-1125	History Teachers, Postsecondary	110	125	15	13.6%	2	3	5	$55,460	Doctoral degree
25-1126	Philosophy and Religion Teachers, Postsecondary	159	181	22	13.8%	2	4	6	$48,660	Doctoral degree
25-1193	Recreation and Fitness Studies Teachers, Postsecondary	63	72	9	14.3%	1	1	2	$52,160	Master's degree
25-1194	Vocational Education Teachers, Postsecondary	316	375	59	18.7%	6	7	13	$21.49	Bachelor's degree plus work experience
25-2011	Preschool Teachers, Except Special Education	2,048	2,428	380	18.6%	38	24	62	$11.55	Postsecondary vocational training
25-2012	Kindergarten Teachers, Except Special Education	1,123	1,187	64	5.7%	6	13	19	$40,490	Bachelor's degree

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25-2021	Elementary School Teachers, Except Special Education	6,457	6,642	185	2.9%	19	143	162	$41,540	Bachelor's degree
25-2022	Middle School Teachers, Except Special and Vocational Education	3,224	3,170	-54	-1.7%	0	71	71	$41,420	Bachelor's degree
25-2023	Vocational Education Teachers, Middle School	64	62	-2	-3.1%	0	1	1	$45,300	Bachelor's degree plus work experience
25-2031	Secondary School Teachers, Except Special and Vocational Education	6,105	6,159	54	0.9%	5	172	177	$40,940	Bachelor's degree
25-2032	Vocational Education Teachers, Secondary School	243	253	10	4.1%	1	7	8	$43,200	Bachelor's degree plus work experience
25-2041	Special Education Teachers, Preschool, Kindergarten, and Elementary School	1,476	1,684	208	14.1%	21	35	56	$39,670	Bachelor's degree
25-2042	Special Education Teachers, Middle School	452	505	53	11.7%	5	11	16	$40,610	Bachelor's degree
25-2043	Special Education Teachers, Secondary School	679	722	43	6.3%	4	16	20	$41,270	Bachelor's degree
25-3011	Adult Literacy, Remedial Education, and GED Teachers and Instructors	185	200	15	8.1%	2	2	4	$17.86	Bachelor's degree
25-3021	Self-Enrichment Education Teachers	860	1,061	201	23.4%	20	11	31	$16.65	Work experience in a related occupation
25-3099	Teachers and Instructors, All Other	2,505	2,515	10	0.4%	1	31	32	$22,280	Bachelor's degree
25-4011	Archivists	33	36	3	9.1%	0	1	1	$19.10	Master's degree
25-4012	Curators	84	88	4	4.8%	0	2	2	$20.76	Master's degree
25-4013	Museum Technicians and Conservators	73	77	4	5.5%	0	2	2	$14.53	Master's degree
25-4021	Librarians	706	703	-3	-0.4%	0	17	17	$17.97	Master's degree
25-4031	Library Technicians	912	945	33	3.6%	3	34	37	$12.39	Postsecondary vocational training
25-9011	Audio-Visual Collections Specialists	11	12	1	9.1%	0	0	0	$15.04	Moderate-term on-the-job training
25-9031	Instructional Coordinators	339	417	78	23.0%	8	5	13	$21.00	Master's degree
25-9041	Teacher Assistants	8,070	8,291	221	2.7%	22	156	178	$24,730	Short-term on-the-job training
25-9099	Education, Training, and Library Workers, All Other	76	94	18	23.7%	2	1	3	$13.84	Bachelor's degree
27-0000	**Arts, Design, Entertainment, Sports, and Media Occupations**	**9,551**	**10,553**	**1,002**	**10.5%**	**101**	**181**	**282**	**$15.63**	**NA**
27-1011	Art Directors	130	151	21	16.2%	2	3	5	$25.71	Bachelor's degree plus work experience
27-1012	Craft Artists	77	84	7	9.1%	1	1	2	$9.86	Long-term on-the-job training
27-1013	Fine Artists, Including Painters, Sculptors, and Illustrators	995	1,139	144	14.5%	14	22	36	$24.03	Long-term on-the-job training
27-1014	Multi-Media Artists and Animators	188	214	26	13.8%	3	4	7	$24.15	Bachelor's degree
27-1019	Artists and Related Workers, All Other	60	75	15	25.0%	2	1	3	$16.55	Long-term on-the-job training
27-1021	Commercial and Industrial Designers	82	85	3	3.7%	0	1	1	$25.68	Bachelor's degree
27-1022	Fashion Designers	14	12	-2	-14.3%	0	0	0	$30.78	Associate degree
27-1023	Floral Designers	469	533	64	13.6%	6	6	12	$10.23	Moderate-term on-the-job training
27-1024	Graphic Designers	703	768	65	9.2%	7	9	16	$16.26	Bachelor's degree
27-1025	Interior Designers	240	257	17	7.1%	2	3	5	$18.55	Associate degree

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27-1026	Merchandise Displayers and Window Trimmers	171	183	12	7.0%	1	2	3	$12.27	Moderate-term on-the-job training
27-1029	Designers, All Other	104	109	5	4.8%	1	2	3	$15.04	Bachelor's degree
27-2011	Actors	65	69	4	6.2%	0	1	1	$18.06	Long-term on-the-job training
27-2012	Producers and Directors	161	190	29	18.0%	3	2	5	$26.03	Bachelor's degree plus work experience
27-2022	Coaches and Scouts	1,580	1,676	96	6.1%	10	30	40	$20,590	Long-term on-the-job training
27-3011	Radio and Television Announcers	337	331	-6	-1.8%	0	9	9	$14.04	Long-term on-the-job training
27-3012	Public Address System and Other Announcers	40	40	0	0.0%	0	1	1	$9.59	Long-term on-the-job training
27-3021	Broadcast News Analysts	105	139	34	32.4%	3	3	6	$9.70	Bachelor's degree plus work experience
27-3022	Reporters and Correspondents	396	401	5	1.3%	1	10	11	$15.45	Bachelor's degree plus work experience
27-3031	Public Relations Specialists	573	650	77	13.4%	8	8	16	$20.76	Bachelor's degree
27-3041	Editors	543	588	45	8.3%	5	13	18	$18.82	Bachelor's degree
27-3042	Technical Writers	62	70	8	12.9%	1	2	3	$23.01	Bachelor's degree
27-3043	Writers and Authors	497	572	75	15.1%	8	9	17	$20.53	Bachelor's degree
27-3091	Interpreters and Translators	252	334	82	32.5%	8	3	11	$15.65	Long-term on-the-job training
27-3099	Media and Communication Workers, All Other	29	32	3	10.3%	0	0	0	$23.65	Long-term on-the-job training
27-4011	Audio and Video Equipment Technicians	52	56	4	7.7%	0	1	1	$15.15	Long-term on-the-job training
27-4012	Broadcast Technicians	96	108	12	12.5%	1	2	3	$11.65	Associate degree
27-4014	Sound Engineering Technicians	17	18	1	5.9%	0	0	0	$17.73	Postsecondary vocational training
27-4021	Photographers	350	389	39	11.1%	4	7	11	$14.36	Long-term on-the-job training
27-4031	Camera Operators, Television, Video, and Motion Picture	154	171	17	11.0%	2	3	5	$12.28	Moderate-term on-the-job training
27-4032	Film and Video Editors	65	81	16	24.6%	2	1	3	$20.22	Bachelor's degree
27-4099	Media and Communication Equipment Workers, All Other	44	47	3	6.8%	0	1	1	$22.07	Moderate-term on-the-job training
29-0000	**Healthcare Practitioners and Technical Occupations**	**36,466**	**42,922**	**6,456**	**17.7%**	**646**	**678**	**1,324**	**$28.69**	**NA**
29-1011	Chiropractors	386	451	65	16.8%	7	7	14	$29.92	First professional degree
29-1021	Dentists, General	580	601	21	3.6%	2	10	12	$87.91	First professional degree
29-1031	Dietitians and Nutritionists	284	327	43	15.1%	4	7	11	$19.88	Bachelor's degree
29-1041	Optometrists	106	126	20	18.9%	2	3	5	$55.28	First professional degree
29-1051	Pharmacists	985	1,193	208	21.1%	21	19	40	$46.64	First professional degree
29-1061	Anesthesiologists	99	105	6	6.1%	1	1	2	*$92.74*	First professional degree
29-1062	Family and General Practitioners	782	860	78	10.0%	8	11	19	$63.89	First professional degree
29-1063	Internists, General	448	475	27	6.0%	3	6	9	$70.88	First professional degree

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29-1064	Obstetricians and Gynecologists	112	120	8	7.1%	1	2	3	$88.19	First professional degree
29-1065	Pediatricians, General	200	219	19	9.5%	2	3	5	$66.59	First professional degree
29-1066	Psychiatrists	166	190	24	14.5%	2	2	4	*$76.64*	First professional degree
29-1067	Surgeons	308	326	18	5.8%	2	4	6	$92.63	First professional degree
29-1069	Physicians and Surgeons, All Other	1,268	1,378	110	8.7%	11	17	28	$72.03	First professional degree
29-1071	Physician Assistants	736	974	238	32.3%	24	11	35	$37.26	Bachelor's degree
29-1081	Podiatrists	147	155	8	5.4%	1	4	5	$42.23	First professional degree
29-1111	Registered Nurses	13,837	16,613	2,776	20.1%	278	290	568	$25.40	Associate degree
29-1121	Audiologists	35	36	1	2.9%	0	1	1	*$24.58*	First professional degree
29-1122	Occupational Therapists	649	753	104	16.0%	10	9	19	$24.75	Master's degree
29-1123	Physical Therapists	1,094	1,320	226	20.7%	23	11	34	$29.31	Master's degree
29-1124	Radiation Therapists	63	71	8	12.7%	1	1	2	$27.32	Associate degree
29-1125	Recreational Therapists	200	217	17	8.5%	2	5	7	$15.88	Bachelor's degree
29-1126	Respiratory Therapists	422	503	81	19.2%	8	14	22	$22.13	Associate degree
29-1127	Speech-Language Pathologists	762	802	40	5.2%	4	19	23	$23.19	Master's degree
29-1131	Veterinarians	422	519	97	23.0%	10	10	20	$32.81	First professional degree
29-1199	Health Diagnosing and Treating Practitioners, All Other	333	385	52	15.6%	5	7	12	$59.42	Bachelor's degree
29-2011	Medical and Clinical Laboratory Technologists	834	1,020	186	22.3%	19	23	42	$21.24	Bachelor's degree
29-2012	Medical and Clinical Laboratory Technicians	629	750	121	19.2%	12	17	29	$16.00	Associate degree
29-2021	Dental Hygienists	813	1,030	217	26.7%	22	7	29	$25.87	Associate degree
29-2031	Cardiovascular Technologists and Technicians	229	271	42	18.3%	4	4	8	$21.94	Associate degree
29-2032	Diagnostic Medical Sonographers	139	167	28	20.1%	3	3	6	$27.79	Associate degree
29-2033	Nuclear Medicine Technologists	70	80	10	14.3%	1	1	2	$27.34	Associate degree
29-2034	Radiologic Technologists and Technicians	991	1,179	188	19.0%	19	19	38	$22.35	Associate degree
29-2041	Emergency Medical Technicians and Paramedics	1,563	1,864	301	19.3%	30	18	48	$12.25	Postsecondary vocational training
29-2051	Dietetic Technicians	144	163	19	13.2%	2	2	4	$12.73	Moderate-term on-the-job training
29-2052	Pharmacy Technicians	1,288	1,614	326	25.3%	33	17	50	$11.48	Moderate-term on-the-job training
29-2053	Psychiatric Technicians	376	441	65	17.3%	7	5	12	$11.84	Moderate-term on-the-job training
29-2054	Respiratory Therapy Technicians	86	84	-2	-2.3%	0	1	1	$20.14	Associate degree
29-2055	Surgical Technologists	350	405	55	15.7%	6	5	11	$16.82	Postsecondary vocational training
29-2056	Veterinary Technologists and Technicians	373	543	170	45.6%	17	5	22	$13.43	Associate degree

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29-2061	Licensed Practical and Licensed Vocational Nurses	1,992	2,098	106	5.3%	11	43	54	$16.22	Postsecondary vocational training
29-2071	Medical Records and Health Information Technicians	929	1,110	181	19.5%	18	13	31	$13.16	Associate degree
29-2081	Opticians, Dispensing	309	350	41	13.3%	4	5	9	$14.26	Long-term on-the-job training
29-2091	Orthotists and Prosthetists	19	19	0	0.0%	0	0	0	$27.66	Bachelor's degree
29-2099	Health Technologists and Technicians, All Other	154	175	21	13.6%	2	3	5	$19.53	Postsecondary vocational training
29-9011	Occupational Health and Safety Specialists	203	217	14	6.9%	1	4	5	$26.52	Bachelor's degree
29-9012	Occupational Health and Safety Technicians	35	37	2	5.7%	0	1	1	$16.29	Postsecondary vocational training
29-9091	Athletic Trainers	76	90	14	18.4%	1	2	3	$34,610	Bachelor's degree
29-9099	Healthcare Practitioners and Technical Workers, All Other	200	250	50	25.0%	5	4	9	$21.20	Postsecondary vocational training
31-0000	**Healthcare Support Occupations**	**19,370**	**23,248**	**3,878**	**20.0%**	**388**	**294**	**682**	**$11.10**	**NA**
31-1011	Home Health Aides	3,859	5,044	1,185	30.7%	119	51	170	$9.81	Short-term on-the-job training
31-1012	Nursing Aides, Orderlies, and Attendants	9,209	10,285	1,076	11.7%	108	121	229	$10.27	Postsecondary vocational training
31-1013	Psychiatric Aides	367	428	61	16.6%	6	5	11	$13.46	Short-term on-the-job training
31-2011	Occupational Therapist Assistants	83	96	13	15.7%	1	1	2	$18.68	Associate degree
31-2012	Occupational Therapist Aides	25	31	6	24.0%	1	0	1	$13.39	Short-term on-the-job training
31-2021	Physical Therapist Assistants	301	406	105	34.9%	11	5	16	$16.92	Associate degree
31-2022	Physical Therapist Aides	150	178	28	18.7%	3	3	6	$10.97	Short-term on-the-job training
31-9011	Massage Therapists	495	607	112	22.6%	11	10	21	$12.08	Postsecondary vocational training
31-9091	Dental Assistants	1,021	1,296	275	26.9%	28	29	57	$15.90	Moderate-term on-the-job training
31-9092	Medical Assistants	1,516	2,031	515	34.0%	52	28	80	$12.61	Moderate-term on-the-job training
31-9093	Medical Equipment Preparers	203	228	25	12.3%	3	4	7	$12.36	Short-term on-the-job training
31-9094	Medical Transcriptionists	743	905	162	21.8%	16	14	30	$13.31	Postsecondary vocational training
31-9095	Pharmacy Aides	141	152	11	7.8%	1	3	4	$8.74	Short-term on-the-job training
31-9096	Veterinary Assistants and Laboratory Animal Caretakers	518	650	132	25.5%	13	10	23	$10.58	Short-term on-the-job training
31-9099	Healthcare Support Workers, All Other	739	911	172	23.3%	17	14	31	$12.10	Short-term on-the-job training
33-0000	**Protective Service Occupations**	**11,419**	**12,625**	**1,206**	**10.6%**	**133**	**340**	**473**	**$14.69**	**NA**
33-1011	First-Line Supervisors/Managers of Correctional Officers	84	92	8	9.5%	1	3	4	$19.41	Work experience in a related occupation
33-1012	First-Line Supervisors/Managers of Police and Detectives	412	468	56	13.6%	6	14	20	$25.49	Work experience in a related occupation
33-1021	First-Line Supervisors/Managers of Fire Fighting and Prevention Workers	226	273	47	20.8%	5	9	14	$16.78	Work experience in a related occupation
33-1099	First-Line Supervisors/Managers, Protective Service Workers, All Other	185	193	8	4.3%	1	5	6	$24.99	Work experience in a related occupation
33-2011	Fire Fighters	2,122	2,633	511	24.1%	51	62	113	$14.43	Long-term on-the-job training

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33-2021	Fire Inspectors and Investigators	70	63	-7	-10.0%	0	2	2	$15.88	Work experience in a related occupation
33-2022	Forest Fire Inspectors and Prevention Specialists	86	79	-7	-8.1%	0	3	3	*$18.74*	Work experience in a related occupation
33-3011	Bailiffs	54	58	4	7.4%	0	1	1	NA	Moderate-term on-the-job training
33-3012	Correctional Officers and Jailers	1,285	1,356	71	5.5%	7	27	34	$13.55	Moderate-term on-the-job training
33-3021	Detectives and Criminal Investigators	326	369	43	13.2%	4	9	13	$23.91	Work experience in a related occupation
33-3031	Fish and Game Wardens	142	151	9	6.3%	1	4	5	$18.89	Associate degree
33-3041	Parking Enforcement Workers	51	58	7	13.7%	1	1	2	*$12.44*	Short-term on-the-job training
33-3051	Police and Sheriff's Patrol Officers	2,186	2,513	327	15.0%	33	57	90	$16.91	Long-term on-the-job training
33-9011	Animal Control Workers	143	163	20	14.0%	2	10	12	$8.27	Moderate-term on-the-job training
33-9021	Private Detectives and Investigators	223	249	26	11.7%	3	5	8	$16.83	Work experience in a related occupation
33-9032	Security Guards	2,463	2,351	-112	-4.5%	0	54	54	$10.60	Short-term on-the-job training
33-9091	Crossing Guards	440	559	119	27.0%	12	14	26	$8.13	Short-term on-the-job training
33-9092	Lifeguards, Ski Patrol, and Other Recreational Protective Service Workers	195	238	43	22.1%	4	14	18	$8.06	Short-term on-the-job training
33-9099	Protective Service Workers, All Other	715	747	32	4.5%	3	50	53	$17.34	Short-term on-the-job training
35-0000	**Food Preparation and Serving Related Occupations**	**55,054**	**61,928**	**6,874**	**12.5%**	**688**	**2,154**	**2,842**	**$8.87**	**NA**
35-1011	Chefs and Head Cooks	672	752	80	11.9%	8	20	28	$17.73	Work experience in a related occupation
35-1012	First-Line Supervisors/Managers of Food Preparation and Serving Workers	4,000	4,527	527	13.2%	53	95	148	$12.09	Work experience in a related occupation
35-2011	Cooks, Fast Food	2,470	2,855	385	15.6%	39	77	116	$8.55	Short-term on-the-job training
35-2012	Cooks, Institution and Cafeteria	1,871	1,864	-7	-0.4%	0	58	58	$10.56	Moderate-term on-the-job training
35-2014	Cooks, Restaurant	4,325	4,846	521	12.0%	52	134	186	$9.77	Long-term on-the-job training
35-2015	Cooks, Short Order	2,083	2,272	189	9.1%	19	65	84	$9.03	Short-term on-the-job training
35-2019	Cooks, All Other	25	28	3	12.0%	0	1	1	$10.74	Moderate-term on-the-job training
35-2021	Food Preparation Workers	6,401	7,283	882	13.8%	88	226	314	$9.04	Short-term on-the-job training
35-3011	Bartenders	2,169	2,482	313	14.4%	31	86	117	$8.48	Short-term on-the-job training
35-3021	Combined Food Preparation and Serving Workers, Including Fast Food	11,513	13,203	1,690	14.7%	169	499	668	$7.72	Short-term on-the-job training
35-3022	Counter Attendants, Cafeteria, Food Concession, and Coffee Shop	1,511	1,750	239	15.8%	24	99	123	$7.87	Short-term on-the-job training
35-3031	Waiters and Waitresses	10,807	12,134	1,327	12.3%	133	556	689	$8.51	Short-term on-the-job training
35-3041	Food Servers, Nonrestaurant	1,022	1,088	66	6.5%	7	34	41	$8.59	Short-term on-the-job training
35-9011	Dining Room and Cafeteria Attendants and Bartender Helpers	1,346	1,498	152	11.3%	15	45	60	$7.78	Short-term on-the-job training
35-9021	Dishwashers	3,533	3,892	359	10.2%	36	119	155	$7.70	Short-term on-the-job training
35-9031	Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	1,268	1,416	148	11.7%	15	40	55	$8.63	Short-term on-the-job training

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35-9099	Food Preparation and Serving Related Workers, All Other	29	30	1	3.4%	0	1	1	$9.85	Short-term on-the-job training
37-0000	**Building and Grounds Cleaning and Maintenance Occupations**	**27,137**	**29,876**	**2,739**	**10.1%**	**275**	**543**	**818**	**$10.63**	**NA**
37-1011	First-Line Supervisors/Managers of Housekeeping and Janitorial Workers	821	919	98	11.9%	10	19	29	$16.35	Work experience in a related occupation
37-1012	First-Line Supervisors/Managers of Landscaping, Lawn Service & Groundskeeping Workers	832	884	52	6.3%	5	8	13	$16.89	Work experience in a related occupation
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	11,208	12,296	1,088	9.7%	109	213	322	$10.58	Short-term on-the-job training
37-2012	Maids and Housekeeping Cleaners	8,283	9,147	864	10.4%	86	174	260	$8.86	Short-term on-the-job training
37-2021	Pest Control Workers	121	127	6	5.0%	1	2	3	$14.20	Moderate-term on-the-job training
37-3011	Landscaping and Groundskeeping Workers	5,425	6,033	608	11.2%	61	118	179	$10.67	Short-term on-the-job training
37-3019	Grounds Maintenance Workers, All Other	20	22	2	10.0%	0	0	0	$19.91	Short-term on-the-job training
39-0000	**Personal Care and Service Occupations**	**23,033**	**27,123**	**4,090**	**17.8%**	**409**	**519**	**928**	**$10.04**	**NA**
39-1021	First-Line Supervisors/Managers of Personal Service Workers	696	829	133	19.1%	13	18	31	$13.82	Work experience in a related occupation
39-2011	Animal Trainers	139	172	33	23.7%	3	3	6	$15.55	Moderate-term on-the-job training
39-2021	Nonfarm Animal Caretakers	553	670	117	21.2%	12	14	26	$9.23	Short-term on-the-job training
39-3021	Motion Picture Projectionists	108	104	-4	-3.7%	0	6	6	$8.30	Short-term on-the-job training
39-3031	Ushers, Lobby Attendants, and Ticket Takers	66	74	8	12.1%	1	4	5	$8.07	Short-term on-the-job training
39-3091	Amusement and Recreation Attendants	554	660	106	19.1%	11	16	27	$8.56	Short-term on-the-job training
39-4011	Embalmers	16	20	4	25.0%	0	0	0	$17.39	Postsecondary vocational training
39-4021	Funeral Attendants	188	245	57	30.3%	6	4	10	$11.57	Short-term on-the-job training
39-5012	Hairdressers, Hairstylists, and Cosmetologists	3,503	3,884	381	10.9%	38	67	105	$11.57	Postsecondary vocational training
39-6011	Baggage Porters and Bellhops	267	287	20	7.5%	2	7	9	$8.57	Short-term on-the-job training
39-6012	Concierges	26	29	3	11.5%	0	1	1	$11.26	Moderate-term on-the-job training
39-6021	Tour Guides and Escorts	151	181	30	19.9%	3	4	7	$11.30	Moderate-term on-the-job training
39-9011	Child Care Workers	6,959	7,430	471	6.8%	47	190	237	$9.42	Short-term on-the-job training
39-9021	Personal and Home Care Aides	5,875	7,656	1,781	30.3%	178	94	272	$8.75	Short-term on-the-job training
39-9031	Fitness Trainers and Aerobics Instructors	1,065	1,308	243	22.8%	24	24	48	$10.90	Postsecondary vocational training
39-9032	Recreation Workers	1,098	1,309	211	19.2%	21	25	46	$10.91	Short-term on-the-job training
39-9041	Residential Advisors	346	419	73	21.1%	7	7	14	$10.44	Moderate-term on-the-job training
39-9099	Personal Care and Service Workers, All Other	558	643	85	15.2%	9	12	21	*$14.83*	Short-term on-the-job training
41-0000	**Sales and Related Occupations**	**68,892**	**74,271**	**5,379**	**7.8%**	**606**	**2,217**	**2,823**	**$13.69**	**NA**
41-1011	First-Line Supervisors/Managers of Retail Sales Workers	9,811	10,345	534	5.4%	53	176	229	$15.52	Work experience in a related occupation
41-1012	First-Line Supervisors/Managers of Non-Retail Sales Workers	1,661	1,727	66	4.0%	7	31	38	$23.07	Work experience in a related occupation

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		2004	2014	Net	Percent	Growth	Replace-ment	Total		
41-2011	Cashiers	16,629	17,240	611	3.7%	61	809	870	$8.23	Short-term on-the-job training
41-2021	Counter and Rental Clerks	1,849	2,204	355	19.2%	36	71	107	$10.22	Short-term on-the-job training
41-2022	Parts Salespersons	1,568	1,489	-79	-5.0%	0	45	45	$12.86	Moderate-term on-the-job training
41-2031	Retail Salespersons	18,493	21,003	2,510	13.6%	251	672	923	$11.39	Short-term on-the-job training
41-3011	Advertising Sales Agents	647	734	87	13.4%	9	13	22	$17.35	Moderate-term on-the-job training
41-3021	Insurance Sales Agents	3,347	3,169	-178	-5.3%	0	80	80	$22.75	Bachelor's degree
41-3031	Securities, Commodities, and Financial Services Sales Agents	879	1,052	173	19.7%	17	10	27	$37.75	Bachelor's degree
41-3041	Travel Agents	204	182	-22	-10.8%	0	5	5	$16.05	Postsecondary vocational training
41-3099	Sales Representatives, Services, All Other	887	1,089	202	22.8%	20	17	37	$24.26	Moderate-term on-the-job training
41-4011	Sales Representatives, Wholesale & Manufacturing, Technical & Scientific Products	864	987	123	14.2%	12	23	35	$24.88	Moderate-term on-the-job training
41-4012	Sales Representatives, Wholesale & Manufacturing, Except Technical & Scientific Products	5,043	5,739	696	13.8%	70	132	202	$23.17	Moderate-term on-the-job training
41-9021	Real Estate Brokers	1,201	1,317	116	9.7%	12	24	36	$36.35	Work experience in a related occupation
41-9022	Real Estate Sales Agents	1,112	1,452	340	30.6%	34	22	56	$19.06	Postsecondary vocational training
41-9031	Sales Engineers	140	157	17	12.1%	2	4	6	$30.96	Bachelor's degree
41-9041	Telemarketers	2,971	2,597	-374	-12.6%	0	49	49	$12.63	Short-term on-the-job training
41-9091	Door-To-Door Sales Workers, News and Street Vendors, and Related Workers	516	486	-30	-5.8%	0	12	12	$11.92	Short-term on-the-job training
41-9099	Sales and Related Workers, All Other	925	1,135	210	22.7%	21	18	39	$18.25	Moderate-term on-the-job training
43-0000	**Office and Administrative Support Occupations**	**102,596**	**103,540**	**944**	**0.9%**	**486**	**2,354**	**2,840**	**$13.16**	**NA**
43-1011	First-Line Supervisors/Managers of Office and Administrative Support Workers	6,745	7,110	365	5.4%	37	145	182	$18.09	Work experience in a related occupation
43-2011	Switchboard Operators, Including Answering Service	1,077	931	-146	-13.6%	0	28	28	$10.51	Short-term on-the-job training
43-3011	Bill and Account Collectors	1,854	2,061	207	11.2%	21	35	56	$13.43	Short-term on-the-job training
43-3021	Billing and Posting Clerks and Machine Operators	2,496	2,407	-89	-3.6%	0	42	42	$12.16	Moderate-term on-the-job training
43-3031	Bookkeeping, Accounting, and Auditing Clerks	8,965	9,103	138	1.5%	14	168	182	$13.80	Moderate-term on-the-job training
43-3051	Payroll and Timekeeping Clerks	1,003	1,085	82	8.2%	8	27	35	$14.08	Moderate-term on-the-job training
43-3061	Procurement Clerks	251	241	-10	-4.0%	0	6	6	$15.46	Short-term on-the-job training
43-3071	Tellers	2,657	3,106	449	16.9%	45	131	176	$9.98	Short-term on-the-job training
43-4011	Brokerage Clerks	137	161	24	17.5%	2	2	4	$16.98	Moderate-term on-the-job training
43-4021	Correspondence Clerks	22	18	-4	-18.2%	0	1	1	*$12.56*	Short-term on-the-job training
43-4031	Court, Municipal, and License Clerks	765	886	121	15.8%	12	17	29	$12.36	Short-term on-the-job training
43-4041	Credit Authorizers, Checkers, and Clerks	151	91	-60	-39.7%	0	3	3	*$12.87*	Short-term on-the-job training
43-4051	Customer Service Representatives	8,406	9,724	1,318	15.7%	132	125	257	$13.05	Moderate-term on-the-job training

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		2004	2014	Net	Percent	Growth	Replace-ment	Total		
43-4061	Eligibility Interviewers, Government Programs	583	500	-83	-14.2%	0	16	16	$13.95	Moderate-term on-the-job training
43-4071	File Clerks	546	319	-227	-41.6%	0	16	16	$9.97	Short-term on-the-job training
43-4081	Hotel, Motel, and Resort Desk Clerks	1,646	1,887	241	14.6%	24	74	98	$9.73	Short-term on-the-job training
43-4111	Interviewers, Except Eligibility and Loan	724	860	136	18.8%	14	19	33	$11.51	Short-term on-the-job training
43-4121	Library Assistants, Clerical	309	334	25	8.1%	3	13	16	$10.82	Short-term on-the-job training
43-4131	Loan Interviewers and Clerks	865	832	-33	-3.8%	0	12	12	$12.67	Short-term on-the-job training
43-4141	New Accounts Clerks	330	372	42	12.7%	4	8	12	$11.66	Work experience in a related occupation
43-4161	Human Resources Assistants, Except Payroll and Timekeeping	582	639	57	9.8%	6	13	19	$14.57	Short-term on-the-job training
43-4171	Receptionists and Information Clerks	3,432	3,841	409	11.9%	41	84	125	$10.61	Short-term on-the-job training
43-4181	Reservation and Transportation Ticket Agents and Travel Clerks	397	422	25	6.3%	3	10	13	$11.09	Short-term on-the-job training
43-4199	Information and Record Clerks, All Other	938	839	-99	-10.6%	0	15	15	$14.83	Short-term on-the-job training
43-5011	Cargo and Freight Agents	96	88	-8	-8.3%	0	2	2	$17.07	Moderate-term on-the-job training
43-5021	Couriers and Messengers	365	389	24	6.6%	2	8	10	$10.91	Short-term on-the-job training
43-5031	Police, Fire, and Ambulance Dispatchers	703	805	102	14.5%	10	15	25	$14.21	Moderate-term on-the-job training
43-5032	Dispatchers, Except Police, Fire, and Ambulance	807	807	0	0.0%	0	17	17	$15.92	Moderate-term on-the-job training
43-5041	Meter Readers, Utilities	198	105	-93	-47.0%	0	6	6	$15.29	Short-term on-the-job training
43-5051	Postal Service Clerks	577	492	-85	-14.7%	0	15	15	$21.97	Short-term on-the-job training
43-5052	Postal Service Mail Carriers	1,635	1,391	-244	-14.9%	0	51	51	$20.03	Short-term on-the-job training
43-5053	Postal Service Mail Sorters, Processors, and Processing Machine Operators	1,128	961	-167	-14.8%	0	30	30	$18.35	Short-term on-the-job training
43-5061	Production, Planning, and Expediting Clerks	1,215	1,144	-71	-5.8%	0	29	29	$19.22	Short-term on-the-job training
43-5071	Shipping, Receiving, and Traffic Clerks	2,948	2,964	16	0.5%	2	61	63	$12.42	Short-term on-the-job training
43-5081	Stock Clerks and Order Fillers	6,725	6,226	-499	-7.4%	0	249	249	$9.99	Short-term on-the-job training
43-5111	Weighers, Measurers, Checkers, and Samplers, Recordkeeping	364	339	-25	-6.9%	0	9	9	$12.77	Short-term on-the-job training
43-6011	Executive Secretaries and Administrative Assistants	4,062	4,254	192	4.7%	19	78	97	$18.22	Moderate-term on-the-job training
43-6012	Legal Secretaries	1,267	1,409	142	11.2%	14	24	38	$15.96	Postsecondary vocational training
43-6013	Medical Secretaries	2,389	2,529	140	5.9%	14	46	60	$13.19	Postsecondary vocational training
43-6014	Secretaries, Except Legal, Medical, and Executive	10,687	9,850	-837	-7.8%	0	205	205	$12.51	Moderate-term on-the-job training
43-9011	Computer Operators	473	299	-174	-36.8%	0	10	10	$14.17	Moderate-term on-the-job training
43-9021	Data Entry Keyers	1,075	946	-129	-12.0%	0	25	25	$10.73	Moderate-term on-the-job training
43-9022	Word Processors and Typists	1,278	964	-314	-24.6%	0	28	28	$11.55	Moderate-term on-the-job training
43-9031	Desktop Publishers	203	244	41	20.2%	4	5	9	$15.75	Postsecondary vocational training

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43-9041	Insurance Claims and Policy Processing Clerks	1,350	1,259	-91	-6.7%	0	22	22	$13.53	Moderate-term on-the-job training
43-9051	Mail Clerks and Mail Machine Operators, Except Postal Service	663	400	-263	-39.7%	0	20	20	$10.99	Short-term on-the-job training
43-9061	Office Clerks, General	12,517	12,850	333	2.7%	33	277	310	$10.82	Short-term on-the-job training
43-9071	Office Machine Operators, Except Computer	196	147	-49	-25.0%	0	5	5	$10.86	Short-term on-the-job training
43-9081	Proofreaders and Copy Markers	89	90	1	1.1%	0	2	2	$12.21	Short-term on-the-job training
43-9111	Statistical Assistants	123	115	-8	-6.5%	0	2	2	$13.61	Moderate-term on-the-job training
43-9199	Office and Administrative Support Workers, All Other	596	617	21	3.5%	2	14	16	$13.04	Short-term on-the-job training
45-0000	**Farming, Fishing, and Forestry Occupations**	**8,805**	**8,923**	**118**	**1.3%**	**35**	**214**	**249**	**$13.63**	**NA**
45-1011	First-Line Supervisors/Managers of Farming, Fishing, and Forestry Workers	329	357	28	8.5%	3	8	11	$21.17	Work experience in a related occupation
45-2011	Agricultural Inspectors	71	73	2	2.8%	0	2	2	$17.07	Work experience in a related occupation
45-2041	Graders and Sorters, Agricultural Products	335	313	-22	-6.6%	0	9	9	$8.36	Work experience in a related occupation
45-2092	Farmworkers and Laborers, Crop, Nursery, and Greenhouse	1,400	1,459	59	4.2%	6	40	46	$9.52	Short-term on-the-job training
45-3011	Fishers and Related Fishing Workers	2,638	2,674	36	1.4%	4	75	79	NA	Moderate-term on-the-job training
45-3021	Hunters and Trappers	13	21	8	61.5%	1	1	2	NA	Moderate-term on-the-job training
45-4021	Fallers	1,165	969	-196	-16.8%	0	22	22	$11.13	Moderate-term on-the-job training
45-4022	Logging Equipment Operators	1,878	1,991	113	6.0%	11	35	46	$15.37	Moderate-term on-the-job training
45-4023	Log Graders and Scalers	278	268	-10	-3.6%	0	5	5	$14.46	Moderate-term on-the-job training
47-0000	**Construction and Extraction Occupations**	**40,546**	**41,563**	**1,017**	**2.5%**	**162**	**789**	**951**	**$16.00**	**NA**
47-1011	First-Line Supervisors/Managers of Construction Trades and Extraction Workers	3,945	4,144	199	5.0%	20	67	87	$21.24	Work experience in a related occupation
47-2011	Boilermakers	49	49	0	0.0%	0	2	2	$22.40	Long-term on-the-job training
47-2021	Brickmasons and Blockmasons	296	304	8	2.7%	1	4	5	$18.34	Long-term on-the-job training
47-2022	Stonemasons	190	207	17	8.9%	2	3	5	$14.67	Long-term on-the-job training
47-2031	Carpenters	9,591	9,889	298	3.1%	30	156	186	$15.28	Long-term on-the-job training
47-2041	Carpet Installers	70	73	3	4.3%	0	1	1	$12.06	Moderate-term on-the-job training
47-2044	Tile and Marble Setters	105	129	24	22.9%	2	2	4	$15.25	Long-term on-the-job training
47-2051	Cement Masons and Concrete Finishers	717	774	57	7.9%	6	14	20	$14.44	Moderate-term on-the-job training
47-2061	Construction Laborers	3,393	3,334	-59	-1.7%	0	45	45	$12.28	Moderate-term on-the-job training
47-2071	Paving, Surfacing, and Tamping Equipment Operators	668	744	76	11.4%	8	10	18	$12.67	Moderate-term on-the-job training
47-2073	Operating Engineers and Other Construction Equipment Operators	1,571	1,710	139	8.8%	14	40	54	$15.34	Moderate-term on-the-job training
47-2081	Drywall and Ceiling Tile Installers	385	382	-3	-0.8%	0	8	8	$16.17	Moderate-term on-the-job training
47-2082	Tapers	173	169	-4	-2.3%	0	4	4	$18.72	Moderate-term on-the-job training

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47-2111	Electricians	3,649	3,527	-122	-3.3%	0	72	72	$19.69	Long-term on-the-job training
47-2121	Glaziers	112	128	16	14.3%	2	2	4	$14.92	Long-term on-the-job training
47-2131	Insulation Workers, Floor, Ceiling, and Wall	166	161	-5	-3.0%	0	5	5	$15.26	Moderate-term on-the-job training
47-2132	Insulation Workers, Mechanical	354	276	-78	-22.0%	0	11	11	$15.55	Moderate-term on-the-job training
47-2141	Painters, Construction and Maintenance	3,451	3,294	-157	-4.5%	0	53	53	$15.89	Moderate-term on-the-job training
47-2152	Plumbers, Pipefitters, and Steamfitters	2,820	2,751	-69	-2.4%	0	65	65	$19.31	Long-term on-the-job training
47-2161	Plasterers and Stucco Masons	23	23	0	0.0%	0	0	0	$17.82	Long-term on-the-job training
47-2181	Roofers	436	463	27	6.2%	3	10	13	$13.50	Moderate-term on-the-job training
47-2211	Sheet Metal Workers	1,234	1,188	-46	-3.7%	0	30	30	$17.45	Long-term on-the-job training
47-2221	Structural Iron and Steel Workers	294	308	14	4.8%	1	6	7	$17.40	Long-term on-the-job training
47-3011	Helpers--Brickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters	233	247	14	6.0%	1	10	11	$13.30	Short-term on-the-job training
47-3012	Helpers--Carpenters	669	720	51	7.6%	5	28	33	$10.21	Short-term on-the-job training
47-3013	Helpers--Electricians	590	558	-32	-5.4%	0	25	25	$13.27	Short-term on-the-job training
47-3014	Helpers--Painters, Paperhangers, Plasterers, and Stucco Masons	53	56	3	5.7%	0	2	2	*$10.14*	Short-term on-the-job training
47-3015	Helpers--Pipelayers, Plumbers, Pipefitters, and Steamfitters	269	290	21	7.8%	2	11	13	$13.83	Short-term on-the-job training
47-3016	Helpers--Roofers	151	159	8	5.3%	1	6	7	$10.42	Short-term on-the-job training
47-3019	Helpers, Construction Trades, All Other	146	128	-18	-12.3%	0	6	6	$11.07	Short-term on-the-job training
47-4011	Construction and Building Inspectors	350	403	53	15.1%	5	8	13	$16.71	Work experience in a related occupation
47-4041	Hazardous Materials Removal Workers	388	434	46	11.9%	5	10	15	$16.78	Moderate-term on-the-job training
47-4051	Highway Maintenance Workers	2,310	2,749	439	19.0%	44	33	77	$12.28	Moderate-term on-the-job training
47-4061	Rail-Track Laying and Maintenance Equipment Operators	69	61	-8	-11.6%	0	2	2	$18.84	Moderate-term on-the-job training
47-4071	Septic Tank Servicers and Sewer Pipe Cleaners	68	76	8	11.8%	1	2	3	$13.84	Moderate-term on-the-job training
47-4099	Construction and Related Workers, All Other	89	87	-2	-2.2%	0	1	1	$12.98	Moderate-term on-the-job training
47-5081	Helpers--Extraction Workers	52	56	4	7.7%	0	2	2	$9.65	Short-term on-the-job training
49-0000	**Installation, Maintenance, and Repair Occupations**	**28,441**	**30,694**	**2,253**	**7.9%**	**251**	**654**	**905**	**$17.15**	**NA**
49-1011	First-Line Supervisors/Managers of Mechanics, Installers, and Repairers	2,246	2,447	201	8.9%	20	56	76	$23.30	Work experience in a related occupation
49-2011	Computer, Automated Teller, and Office Machine Repairers	568	558	-10	-1.8%	0	7	7	$16.25	Postsecondary vocational training
49-2021	Radio Mechanics	30	35	5	16.7%	1	1	2	$16.36	Postsecondary vocational training
49-2022	Telecommunications Equipment Installers and Repairers, Except Line Installers	790	867	77	9.7%	8	16	24	$20.85	Long-term on-the-job training
49-2091	Avionics Technicians	113	105	-8	-7.1%	0	3	3	$20.50	Postsecondary vocational training
49-2092	Electric Motor, Power Tool, and Related Repairers	385	378	-7	-1.8%	0	9	9	$17.53	Postsecondary vocational training

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49-2093	Electrical and Electronics Installers and Repairers, Transportation Equipment	74	70	-4	-5.4%	0	2	2	$20.11	Postsecondary vocational training
49-2094	Electrical and Electronics Repairers, Commercial and Industrial Equipment	281	280	-1	-0.4%	0	6	6	$23.09	Postsecondary vocational training
49-2095	Electrical and Electronics Repairers, Powerhouse, Substation, and Relay	57	55	-2	-3.5%	0	1	1	$24.75	Postsecondary vocational training
49-2096	Electronic Equipment Installers and Repairers, Motor Vehicles	41	50	9	22.0%	1	1	2	$11.93	Postsecondary vocational training
49-2097	Electronic Home Entertainment Equipment Installers and Repairers	76	78	2	2.6%	0	2	2	$14.39	Postsecondary vocational training
49-2098	Security and Fire Alarm Systems Installers	115	129	14	12.2%	1	2	3	$15.64	Postsecondary vocational training
49-3011	Aircraft Mechanics and Service Technicians	282	309	27	9.6%	3	7	10	$17.57	Postsecondary vocational training
49-3021	Automotive Body and Related Repairers	1,005	1,086	81	8.1%	8	20	28	$14.91	Long-term on-the-job training
49-3022	Automotive Glass Installers and Repairers	112	130	18	16.1%	2	2	4	$12.65	Long-term on-the-job training
49-3023	Automotive Service Technicians and Mechanics	4,832	5,482	650	13.5%	65	129	194	$14.77	Postsecondary vocational training
49-3031	Bus and Truck Mechanics and Diesel Engine Specialists	1,443	1,599	156	10.8%	16	37	53	$16.00	Postsecondary vocational training
49-3041	Farm Equipment Mechanics	101	111	10	9.9%	1	2	3	$13.03	Postsecondary vocational training
49-3042	Mobile Heavy Equipment Mechanics, Except Engines	703	767	64	9.1%	6	15	21	$17.68	Postsecondary vocational training
49-3051	Motorboat Mechanics	159	188	29	18.2%	3	4	7	$15.23	Long-term on-the-job training
49-3052	Motorcycle Mechanics	107	147	40	37.4%	4	3	7	$14.70	Long-term on-the-job training
49-3053	Outdoor Power Equipment and Other Small Engine Mechanics	190	230	40	21.1%	4	5	9	$11.02	Moderate-term on-the-job training
49-3092	Recreational Vehicle Service Technicians	136	196	60	44.1%	6	6	12	$13.25	Long-term on-the-job training
49-3093	Tire Repairers and Changers	241	256	15	6.2%	2	10	12	$9.83	Short-term on-the-job training
49-9012	Control and Valve Installers and Repairers, Except Mechanical Door	271	253	-18	-6.6%	0	7	7	$23.10	Moderate-term on-the-job training
49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	1,784	2,074	290	16.3%	29	24	53	$17.47	Long-term on-the-job training
49-9031	Home Appliance Repairers	397	375	-22	-5.5%	0	9	9	$14.74	Long-term on-the-job training
49-9041	Industrial Machinery Mechanics	943	925	-18	-1.9%	0	19	19	$17.69	Long-term on-the-job training
49-9042	Maintenance and Repair Workers, General	5,726	6,226	500	8.7%	50	110	160	$15.25	Moderate-term on-the-job training
49-9043	Maintenance Workers, Machinery	256	230	-26	-10.2%	0	6	6	$16.25	Short-term on-the-job training
49-9044	Millwrights	843	744	-99	-11.7%	0	21	21	$20.19	Long-term on-the-job training
49-9051	Electrical Power-Line Installers and Repairers	483	489	6	1.2%	1	15	16	$21.43	Long-term on-the-job training
49-9052	Telecommunications Line Installers and Repairers	681	673	-8	-1.2%	0	19	19	$26.00	Long-term on-the-job training
49-9062	Medical Equipment Repairers	73	81	8	11.0%	1	2	3	$20.25	Associate degree
49-9064	Watch Repairers	109	103	-6	-5.5%	0	3	3	$14.92	Long-term on-the-job training
49-9091	Coin, Vending, and Amusement Machine Servicers and Repairers	149	141	-8	-5.4%	0	4	4	$13.74	Moderate-term on-the-job training
49-9093	Fabric Menders, Except Garment	44	44	0	0.0%	0	1	1	$17.67	Moderate-term on-the-job training

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		2004	2014	Net	Percent	Growth	Replace-ment	Total		
49-9096	Riggers	213	192	-21	-9.9%	0	5	5	$19.79	Short-term on-the-job training
49-9097	Signal and Track Switch Repairers	12	12	0	0.0%	0	0	0	*$19.14*	Moderate-term on-the-job training
49-9098	Helpers--Installation, Maintenance, and Repair Workers	415	479	64	15.4%	6	14	20	$11.95	Short-term on-the-job training
49-9099	Installation, Maintenance, and Repair Workers, All Other	944	985	41	4.3%	4	22	26	$16.16	Moderate-term on-the-job training
51-0000	**Production Occupations**	**44,446**	**40,557**	**-3,889**	**-8.7%**	**43**	**1,062**	**1,105**	**$14.59**	**NA**
51-1011	First-Line Supervisors/Managers of Production and Operating Workers	3,722	3,602	-120	-3.2%	0	78	78	$21.78	Work experience in a related occupation
51-2021	Coil Winders, Tapers, and Finishers	163	118	-45	-27.6%	0	4	4	$13.21	Short-term on-the-job training
51-2022	Electrical and Electronic Equipment Assemblers	553	554	1	0.2%	0	13	13	$9.77	Short-term on-the-job training
51-2023	Electromechanical Equipment Assemblers	227	204	-23	-10.1%	0	5	5	$11.03	Short-term on-the-job training
51-2041	Structural Metal Fabricators and Fitters	798	665	-133	-16.7%	0	19	19	$18.19	Moderate-term on-the-job training
51-2091	Fiberglass Laminators and Fabricators	470	371	-99	-21.1%	0	12	12	$16.51	Moderate-term on-the-job training
51-2092	Team Assemblers	3,918	3,700	-218	-5.6%	0	101	101	$11.42	Moderate-term on-the-job training
51-2099	Assemblers and Fabricators, All Other	590	615	25	4.2%	3	15	18	$10.92	Moderate-term on-the-job training
51-3011	Bakers	836	956	120	14.4%	12	19	31	$10.04	Long-term on-the-job training
51-3021	Butchers and Meat Cutters	818	865	47	5.7%	5	18	23	$14.61	Long-term on-the-job training
51-3022	Meat, Poultry, and Fish Cutters and Trimmers	576	537	-39	-6.8%	0	13	13	$10.12	Short-term on-the-job training
51-3092	Food Batchmakers	230	255	25	10.9%	3	6	9	$13.10	Short-term on-the-job training
51-3093	Food Cooking Machine Operators and Tenders	96	101	5	5.2%	1	2	3	$9.21	Short-term on-the-job training
51-4011	Computer-Controlled Machine Tool Operators, Metal and Plastic	346	335	-11	-3.2%	0	6	6	$15.63	Moderate-term on-the-job training
51-4012	Numerical Tool and Process Control Programmers	79	84	5	6.3%	1	1	2	$21.23	Long-term on-the-job training
51-4021	Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic	88	60	-28	-31.8%	0	3	3	*$13.36*	Moderate-term on-the-job training
51-4023	Rolling Machine Setters, Operators, and Tenders, Metal and Plastic	24	21	-3	-12.5%	0	1	1	$13.81	Moderate-term on-the-job training
51-4031	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	489	382	-107	-21.9%	0	11	11	$13.27	Moderate-term on-the-job training
51-4032	Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic	131	111	-20	-15.3%	0	4	4	$14.85	Moderate-term on-the-job training
51-4033	Grinding/Lapping/Polishing & Buffing Machine Tool Setters/Operators/Tenders, Metal & Plastic	260	224	-36	-13.8%	0	5	5	$15.33	Moderate-term on-the-job training
51-4034	Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and Plastic	77	69	-8	-10.4%	0	2	2	$14.59	Moderate-term on-the-job training
51-4035	Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic	63	59	-4	-6.3%	0	1	1	$12.79	Moderate-term on-the-job training
51-4041	Machinists	1,818	1,743	-75	-4.1%	0	42	42	$18.92	Long-term on-the-job training
51-4061	Model Makers, Metal and Plastic	22	16	-6	-27.3%	0	1	1	$20.01	Moderate-term on-the-job training
51-4071	Foundry Mold and Coremakers	16	16	0	0.0%	0	0	0	$17.75	Moderate-term on-the-job training
51-4072	Molding, Coremaking & Casting Machine Setters, Operators & Tenders, Metal & Plastic	120	106	-14	-11.7%	0	3	3	$12.29	Moderate-term on-the-job training

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		2004	2014	Net	Percent	Growth	Replace-ment	Total		
51-4111	Tool and Die Makers	187	186	-1	-0.5%	0	4	4	$20.17	Long-term on-the-job training
51-4121	Welders, Cutters, Solderers, and Brazers	1,749	1,706	-43	-2.5%	0	49	49	$16.81	Long-term on-the-job training
51-4122	Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	214	182	-32	-15.0%	0	6	6	$16.65	Moderate-term on-the-job training
51-4191	Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic	50	46	-4	-8.0%	0	2	2	$12.85	Moderate-term on-the-job training
51-4193	Plating and Coating Machine Setters, Operators, and Tenders, Metal and Plastic	116	106	-10	-8.6%	0	3	3	$14.37	Moderate-term on-the-job training
51-4194	Tool Grinders, Filers, and Sharpeners	158	148	-10	-6.3%	0	5	5	$14.39	Moderate-term on-the-job training
51-4199	Metal Workers and Plastic Workers, All Other	116	100	-16	-13.8%	0	3	3	$20.94	Moderate-term on-the-job training
51-5011	Bindery Workers	364	340	-24	-6.6%	0	10	10	$12.14	Short-term on-the-job training
51-5021	Job Printers	129	140	11	8.5%	1	3	4	$15.23	Long-term on-the-job training
51-5022	Prepress Technicians and Workers	282	272	-10	-3.5%	0	7	7	$15.43	Postsecondary vocational training
51-5023	Printing Machine Operators	750	789	39	5.2%	4	17	21	$14.16	Moderate-term on-the-job training
51-6011	Laundry and Dry-Cleaning Workers	900	915	15	1.7%	2	25	27	$9.03	Moderate-term on-the-job training
51-6021	Pressers, Textile, Garment, and Related Materials	164	138	-26	-15.9%	0	3	3	$9.73	Short-term on-the-job training
51-6031	Sewing Machine Operators	1,143	836	-307	-26.9%	0	14	14	$10.73	Moderate-term on-the-job training
51-6041	Shoe and Leather Workers and Repairers	151	121	-30	-19.9%	0	5	5	$11.17	Long-term on-the-job training
51-6042	Shoe Machine Operators and Tenders	211	108	-103	-48.8%	0	3	3	$11.88	Moderate-term on-the-job training
51-6052	Tailors, Dressmakers, and Custom Sewers	241	241	0	0.0%	0	4	4	$10.64	Long-term on-the-job training
51-6061	Textile Bleaching and Dyeing Machine Operators and Tenders	55	30	-25	-45.5%	0	1	1	$12.16	Moderate-term on-the-job training
51-6062	Textile Cutting Machine Setters, Operators, and Tenders	132	123	-9	-6.8%	0	3	3	$10.12	Moderate-term on-the-job training
51-6064	Textile Winding, Twisting, and Drawing Out Machine Setters, Operators, and Tenders	292	194	-98	-33.6%	0	5	5	$12.35	Moderate-term on-the-job training
51-6093	Upholsterers	256	223	-33	-12.9%	0	7	7	$14.42	Long-term on-the-job training
51-6099	Textile, Apparel, and Furnishings Workers, All Other	46	33	-13	-28.3%	0	1	1	$12.11	Short-term on-the-job training
51-7011	Cabinetmakers and Bench Carpenters	837	766	-71	-8.5%	0	21	21	$12.72	Long-term on-the-job training
51-7021	Furniture Finishers	183	152	-31	-16.9%	0	4	4	$12.30	Long-term on-the-job training
51-7041	Sawing Machine Setters, Operators, and Tenders, Wood	989	789	-200	-20.2%	0	28	28	$11.73	Moderate-term on-the-job training
51-7042	Woodworking Machine Setters, Operators, and Tenders, Except Sawing	1,051	771	-280	-26.6%	0	28	28	$11.22	Moderate-term on-the-job training
51-7099	Woodworkers, All Other	198	153	-45	-22.7%	0	6	6	$9.70	Moderate-term on-the-job training
51-8012	Power Distributors and Dispatchers	22	21	-1	-4.5%	0	1	1	$25.50	Long-term on-the-job training
51-8013	Power Plant Operators	243	241	-2	-0.8%	0	7	7	$23.23	Long-term on-the-job training
51-8021	Stationary Engineers and Boiler Operators	561	471	-90	-16.0%	0	10	10	$19.64	Long-term on-the-job training
51-8031	Water and Liquid Waste Treatment Plant and System Operators	672	751	79	11.8%	8	23	31	$16.07	Long-term on-the-job training

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		2004	2014	Net	Percent	Growth	Replace-ment	Total		
51-8099	Plant and System Operators, All Other	82	80	-2	-2.4%	0	3	3	$16.93	Long-term on-the-job training
51-9011	Chemical Equipment Operators and Tenders	102	96	-6	-5.9%	0	3	3	$18.58	Moderate-term on-the-job training
51-9012	Separating, Filtering, Clarifying, Precipitating & Still Machine Setters, Operators & Tenders	323	286	-37	-11.5%	0	10	10	$18.32	Moderate-term on-the-job training
51-9021	Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders	290	255	-35	-12.1%	0	8	8	$17.16	Moderate-term on-the-job training
51-9022	Grinding and Polishing Workers, Hand	89	82	-7	-7.9%	0	2	2	$12.35	Moderate-term on-the-job training
51-9023	Mixing and Blending Machine Setters, Operators, and Tenders	493	444	-49	-9.9%	0	13	13	$17.63	Moderate-term on-the-job training
51-9031	Cutters and Trimmers, Hand	47	47	0	0.0%	0	1	1	$11.42	Short-term on-the-job training
51-9032	Cutting and Slicing Machine Setters, Operators, and Tenders	801	680	-121	-15.1%	0	17	17	$14.59	Moderate-term on-the-job training
51-9041	Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders	392	349	-43	-11.0%	0	10	10	$13.58	Moderate-term on-the-job training
51-9051	Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders	206	191	-15	-7.3%	0	5	5	$18.29	Moderate-term on-the-job training
51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	1,886	1,747	-139	-7.4%	0	43	43	$14.58	Moderate-term on-the-job training
51-9071	Jewelers and Precious Stone and Metal Workers	228	240	12	5.3%	1	5	6	$15.75	Postsecondary vocational training
51-9081	Dental Laboratory Technicians	86	91	5	5.8%	1	2	3	$14.40	Long-term on-the-job training
51-9082	Medical Appliance Technicians	24	25	1	4.2%	0	1	1	$14.64	Long-term on-the-job training
51-9083	Ophthalmic Laboratory Technicians	152	157	5	3.3%	1	3	4	$12.06	Moderate-term on-the-job training
51-9111	Packaging and Filling Machine Operators and Tenders	1,517	1,367	-150	-9.9%	0	30	30	$12.71	Short-term on-the-job training
51-9121	Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	686	538	-148	-21.6%	0	18	18	$17.38	Moderate-term on-the-job training
51-9122	Painters, Transportation Equipment	320	338	18	5.6%	2	8	10	$13.22	Long-term on-the-job training
51-9123	Painting, Coating, and Decorating Workers	161	169	8	5.0%	1	4	5	$9.52	Short-term on-the-job training
51-9131	Photographic Process Workers	142	116	-26	-18.3%	0	4	4	$12.66	Moderate-term on-the-job training
51-9191	Cementing and Gluing Machine Operators and Tenders	125	105	-20	-16.0%	0	3	3	$12.71	Moderate-term on-the-job training
51-9194	Etchers and Engravers	39	36	-3	-7.7%	0	1	1	$12.54	Long-term on-the-job training
51-9195	Molders, Shapers, and Casters, Except Metal and Plastic	375	344	-31	-8.3%	0	9	9	$11.78	Moderate-term on-the-job training
51-9196	Paper Goods Machine Setters, Operators, and Tenders	1,037	911	-126	-12.2%	0	22	22	$19.33	Moderate-term on-the-job training
51-9197	Tire Builders	118	114	-4	-3.4%	0	3	3	$12.54	Moderate-term on-the-job training
51-9198	Helpers--Production Workers	1,945	1,868	-77	-4.0%	0	55	55	$11.33	Short-term on-the-job training
51-9199	Production Workers, All Other	1,574	1,220	-354	-22.5%	0	38	38	$14.08	Moderate-term on-the-job training
53-0000	**Transportation and Material Moving Occupations**	**46,069**	**48,930**	**2,861**	**6.2%**	**309**	**1,005**	**1,314**	**$12.65**	**NA**
53-1011	Aircraft Cargo Handling Supervisors	12	13	1	8.3%	0	0	0	*$22.21*	Work experience in a related occupation
53-1021	First-Line Supervisors/Managers of Helpers, Laborers, and Material Movers, Hand	741	787	46	6.2%	5	17	22	$17.25	Work experience in a related occupation
53-1031	First-Line Supervisors/Managers of Transportation & Material-Moving Machine Operators	830	923	93	11.2%	9	20	29	$22.72	Work experience in a related occupation

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		2004	2014	Net	Percent	Growth	Replace-ment	Total		
53-2012	Commercial Pilots	44	44	0	0.0%	0	1	1	$39,650	Postsecondary vocational training
53-2021	Air Traffic Controllers	63	70	7	11.1%	1	2	3	$42.09	Long-term on-the-job training
53-3011	Ambulance Drivers and Attendants, Except Emergency Medical Technicians	106	125	19	17.9%	2	1	3	$9.08	Moderate-term on-the-job training
53-3021	Bus Drivers, Transit and Intercity	651	794	143	22.0%	14	14	28	$14.47	Moderate-term on-the-job training
53-3022	Bus Drivers, School	1,958	2,175	217	11.1%	22	43	65	$12.50	Short-term on-the-job training
53-3031	Driver/Sales Workers	2,061	2,188	127	6.2%	13	34	47	$13.17	Short-term on-the-job training
53-3032	Truck Drivers, Heavy and Tractor-Trailer	11,188	12,126	938	8.4%	94	183	277	$14.84	Moderate-term on-the-job training
53-3033	Truck Drivers, Light or Delivery Services	4,795	5,382	587	12.2%	59	44	103	$12.60	Short-term on-the-job training
53-3041	Taxi Drivers and Chauffeurs	625	703	78	12.5%	8	6	14	$9.37	Short-term on-the-job training
53-3099	Motor Vehicle Operators, All Other	357	405	48	13.4%	5	5	10	$10.29	Short-term on-the-job training
53-4011	Locomotive Engineers	113	128	15	13.3%	2	3	5	*$23.48*	Moderate-term on-the-job training
53-4031	Railroad Conductors and Yardmasters	134	170	36	26.9%	4	4	8	*$19.68*	Moderate-term on-the-job training
53-5011	Sailors and Marine Oilers	148	162	14	9.5%	1	5	6	$13.66	Short-term on-the-job training
53-5021	Captains, Mates, and Pilots of Water Vessels	233	248	15	6.4%	2	7	9	$23.12	Work experience in a related occupation
53-6011	Bridge and Lock Tenders	22	25	3	13.6%	0	1	1	$10.97	Short-term on-the-job training
53-6021	Parking Lot Attendants	165	133	-32	-19.4%	0	5	5	$8.37	Short-term on-the-job training
53-6031	Service Station Attendants	590	597	7	1.2%	1	27	28	$7.89	Short-term on-the-job training
53-6051	Transportation Inspectors	71	73	2	2.8%	0	2	2	$31.66	Work experience in a related occupation
53-7011	Conveyor Operators and Tenders	301	301	0	0.0%	0	9	9	$14.08	Short-term on-the-job training
53-7021	Crane and Tower Operators	263	264	1	0.4%	0	6	6	$17.56	Long-term on-the-job training
53-7032	Excavating and Loading Machine and Dragline Operators	777	834	57	7.3%	6	21	27	$15.30	Moderate-term on-the-job training
53-7051	Industrial Truck and Tractor Operators	2,429	2,570	141	5.8%	14	46	60	$13.56	Short-term on-the-job training
53-7061	Cleaners of Vehicles and Equipment	1,089	1,145	56	5.1%	6	38	44	$10.07	Short-term on-the-job training
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	9,892	9,975	83	0.8%	8	323	331	$10.20	Short-term on-the-job training
53-7063	Machine Feeders and Offbearers	600	455	-145	-24.2%	0	16	16	$12.20	Short-term on-the-job training
53-7064	Packers and Packagers, Hand	3,753	4,047	294	7.8%	29	70	99	$8.59	Short-term on-the-job training
53-7081	Refuse and Recyclable Material Collectors	1,206	1,211	5	0.4%	1	31	32	$10.19	Short-term on-the-job training
53-7121	Tank Car, Truck, and Ship Loaders	65	57	-8	-12.3%	0	2	2	*$14.78*	Moderate-term on-the-job training
53-7199	Material Moving Workers, All Other	36	28	-8	-22.2%	0	1	1	*$14.29*	Moderate-term on-the-job training

Average wages are for wage and salary workers only and do not include the self-employed.
Wages in italics are for 2004, as 2005 wages were not available for these occupations .
Detail may not add to totals due to the suppression of confidential data.

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		2004	2014	Net	Percent	Growth	Replace-ment	Total		
13-2011	Accountants and Auditors	3,587	3,804	217	6.0%	22	68	90	$24.33	Bachelor's degree
27-2011	Actors	65	69	4	6.2%	0	1	1	$18.06	Long-term on-the-job training
23-1021	Administrative Law Judges, Adjudicators, and Hearing Officers	139	141	2	1.4%	0	2	2	$25.50	Bachelor's degree plus work experience
11-3011	Administrative Services Managers	1,079	1,166	87	8.1%	9	21	30	$26.40	Bachelor's degree plus work experience
25-3011	Adult Literacy, Remedial Education, and GED Teachers and Instructors	185	200	15	8.1%	2	2	4	$17.86	Bachelor's degree
11-2011	Advertising and Promotions Managers	388	463	75	19.3%	8	7	15	$26.42	Bachelor's degree plus work experience
41-3011	Advertising Sales Agents	647	734	87	13.4%	9	13	22	$17.35	Moderate-term on-the-job training
19-4011	Agricultural and Food Science Technicians	82	84	2	2.4%	0	2	2	$16.68	Associate degree
45-2011	Agricultural Inspectors	71	73	2	2.8%	0	2	2	$17.07	Work experience in a related occupation
53-2021	Air Traffic Controllers	63	70	7	11.1%	1	2	3	$42.09	Long-term on-the-job training
53-1011	Aircraft Cargo Handling Supervisors	12	13	1	8.3%	0	0	0	*$22.21*	Work experience in a related occupation
49-3011	Aircraft Mechanics and Service Technicians	282	309	27	9.6%	3	7	10	$17.57	Postsecondary vocational training
53-3011	Ambulance Drivers and Attendants, Except Emergency Medical Technicians	106	125	19	17.9%	2	1	3	$9.08	Moderate-term on-the-job training
39-3091	Amusement and Recreation Attendants	554	660	106	19.1%	11	16	27	$8.56	Short-term on-the-job training
29-1061	Anesthesiologists	99	105	6	6.1%	1	1	2	*$92.74*	First professional degree
33-9011	Animal Control Workers	143	163	20	14.0%	2	10	12	$8.27	Moderate-term on-the-job training
39-2011	Animal Trainers	139	172	33	23.7%	3	3	6	$15.55	Moderate-term on-the-job training
25-1061	Anthropology and Archeology Teachers, Postsecondary	44	51	7	15.9%	1	1	2	$68,450	Doctoral degree
13-2021	Appraisers and Assessors of Real Estate	667	751	84	12.6%	8	14	22	$21.68	Postsecondary vocational training
23-1022	Arbitrators, Mediators, and Conciliators	19	21	2	10.5%	0	0	0	*$17.93*	Bachelor's degree plus work experience
17-1011	Architects, Except Landscape and Naval	369	402	33	8.9%	3	4	7	$28.26	Bachelor's degree
17-3011	Architectural and Civil Drafters	450	416	-34	-7.6%	0	13	13	$18.01	Postsecondary vocational training
25-4011	Archivists	33	36	3	9.1%	0	1	1	$19.10	Master's degree
27-1011	Art Directors	130	151	21	16.2%	2	3	5	$25.71	Bachelor's degree plus work experience
27-1019	Artists and Related Workers, All Other	60	75	15	25.0%	2	1	3	$16.55	Long-term on-the-job training
51-2099	Assemblers and Fabricators, All Other	590	615	25	4.2%	3	15	18	$10.92	Moderate-term on-the-job training
29-9091	Athletic Trainers	76	90	14	18.4%	1	2	3	$34,610	Bachelor's degree
19-2021	Atmospheric and Space Scientists	28	28	0	0.0%	0	1	1	$35.32	Bachelor's degree
27-4011	Audio and Video Equipment Technicians	52	56	4	7.7%	0	1	1	$15.15	Long-term on-the-job training
29-1121	Audiologists	35	36	1	2.9%	0	1	1	*$24.58*	First professional degree
25-9011	Audio-Visual Collections Specialists	11	12	1	9.1%	0	0	0	$15.04	Moderate-term on-the-job training

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		2004	2014	Net	Percent	Growth	Replace-ment	Total		
49-3021	Automotive Body and Related Repairers	1,005	1,086	81	8.1%	8	20	28	$14.91	Long-term on-the-job training
49-3022	Automotive Glass Installers and Repairers	112	130	18	16.1%	2	2	4	$12.65	Long-term on-the-job training
49-3023	Automotive Service Technicians and Mechanics	4,832	5,482	650	13.5%	65	129	194	$14.77	Postsecondary vocational training
49-2091	Avionics Technicians	113	105	-8	-7.1%	0	3	3	$20.50	Postsecondary vocational training
39-6011	Baggage Porters and Bellhops	267	287	20	7.5%	2	7	9	$8.57	Short-term on-the-job training
33-3011	Bailiffs	54	58	4	7.4%	0	1	1	NA	Moderate-term on-the-job training
51-3011	Bakers	836	956	120	14.4%	12	19	31	$10.04	Long-term on-the-job training
35-3011	Bartenders	2,169	2,482	313	14.4%	31	86	117	$8.48	Short-term on-the-job training
43-3011	Bill and Account Collectors	1,854	2,061	207	11.2%	21	35	56	$13.43	Short-term on-the-job training
43-3021	Billing and Posting Clerks and Machine Operators	2,496	2,407	-89	-3.6%	0	42	42	$12.16	Moderate-term on-the-job training
51-5011	Bindery Workers	364	340	-24	-6.6%	0	10	10	$12.14	Short-term on-the-job training
19-1021	Biochemists and Biophysicists	66	84	18	27.3%	2	2	4	$30.09	Doctoral degree
25-1042	Biological Science Teachers, Postsecondary	187	212	25	13.4%	3	4	7	$60,190	Doctoral degree
17-2031	Biomedical Engineers	24	26	2	8.3%	0	0	0	$31.11	Bachelor's degree
47-2011	Boilermakers	49	49	0	0.0%	0	2	2	$22.40	Long-term on-the-job training
43-3031	Bookkeeping, Accounting, and Auditing Clerks	8,965	9,103	138	1.5%	14	168	182	$13.80	Moderate-term on-the-job training
47-2021	Brickmasons and Blockmasons	296	304	8	2.7%	1	4	5	$18.34	Long-term on-the-job training
53-6011	Bridge and Lock Tenders	22	25	3	13.6%	0	1	1	$10.97	Short-term on-the-job training
27-3021	Broadcast News Analysts	105	139	34	32.4%	3	3	6	$9.70	Bachelor's degree plus work experience
27-4012	Broadcast Technicians	96	108	12	12.5%	1	2	3	$11.65	Associate degree
43-4011	Brokerage Clerks	137	161	24	17.5%	2	2	4	$16.98	Moderate-term on-the-job training
13-2031	Budget Analysts	178	192	14	7.9%	1	3	4	$25.04	Bachelor's degree
49-3031	Bus and Truck Mechanics and Diesel Engine Specialists	1,443	1,599	156	10.8%	16	37	53	$16.00	Postsecondary vocational training
53-3022	Bus Drivers, School	1,958	2,175	217	11.1%	22	43	65	$12.50	Short-term on-the-job training
53-3021	Bus Drivers, Transit and Intercity	651	794	143	22.0%	14	14	28	$14.47	Moderate-term on-the-job training
13-1199	Business Operations Specialists, All Other	3,710	4,528	818	22.0%	82	63	145	$25.33	Bachelor's degree
25-1011	Business Teachers, Postsecondary	341	378	37	10.9%	4	8	12	$52,340	Master's degree
51-3021	Butchers and Meat Cutters	818	865	47	5.7%	5	18	23	$14.61	Long-term on-the-job training
51-7011	Cabinetmakers and Bench Carpenters	837	766	-71	-8.5%	0	21	21	$12.72	Long-term on-the-job training
27-4031	Camera Operators, Television, Video, and Motion Picture	154	171	17	11.0%	2	3	5	$12.28	Moderate-term on-the-job training
53-5021	Captains, Mates, and Pilots of Water Vessels	233	248	15	6.4%	2	7	9	$23.12	Work experience in a related occupation

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		2004	2014	Net	Percent	Growth	Replace-ment	Total		
29-2031	Cardiovascular Technologists and Technicians	229	271	42	18.3%	4	4	8	$21.94	Associate degree
43-5011	Cargo and Freight Agents	96	88	-8	-8.3%	0	2	2	$17.07	Moderate-term on-the-job training
47-2031	Carpenters	9,591	9,889	298	3.1%	30	156	186	$15.28	Long-term on-the-job training
47-2041	Carpet Installers	70	73	3	4.3%	0	1	1	$12.06	Moderate-term on-the-job training
17-1021	Cartographers and Photogrammetrists	84	86	2	2.4%	0	3	3	$18.87	Bachelor's degree
41-2011	Cashiers	16,629	17,240	611	3.7%	61	809	870	$8.23	Short-term on-the-job training
47-2051	Cement Masons and Concrete Finishers	717	774	57	7.9%	6	14	20	$14.44	Moderate-term on-the-job training
51-9191	Cementing and Gluing Machine Operators and Tenders	125	105	-20	-16.0%	0	3	3	$12.71	Moderate-term on-the-job training
35-1011	Chefs and Head Cooks	672	752	80	11.9%	8	20	28	$17.73	Work experience in a related occupation
17-2041	Chemical Engineers	173	174	1	0.6%	0	5	5	$36.13	Bachelor's degree
51-9011	Chemical Equipment Operators and Tenders	102	96	-6	-5.9%	0	3	3	$18.58	Moderate-term on-the-job training
19-4031	Chemical Technicians	134	146	12	9.0%	1	3	4	$16.05	Associate degree
25-1052	Chemistry Teachers, Postsecondary	79	90	11	13.9%	1	2	3	$55,770	Doctoral degree
19-2031	Chemists	167	164	-3	-1.8%	0	6	6	$22.47	Bachelor's degree
11-1011	Chief Executives	1,387	1,512	125	9.0%	13	26	39	$52.85	Bachelor's degree plus work experience
39-9011	Child Care Workers	6,959	7,430	471	6.8%	47	190	237	$9.42	Short-term on-the-job training
21-1021	Child, Family, and School Social Workers	2,153	2,489	336	15.6%	34	37	71	$17.02	Bachelor's degree
29-1011	Chiropractors	386	451	65	16.8%	7	7	14	$29.92	First professional degree
17-3022	Civil Engineering Technicians	613	636	23	3.8%	2	13	15	$19.02	Associate degree
17-2051	Civil Engineers	779	816	37	4.7%	4	12	16	$31.08	Bachelor's degree
53-7061	Cleaners of Vehicles and Equipment	1,089	1,145	56	5.1%	6	38	44	$10.07	Short-term on-the-job training
21-2011	Clergy	2,208	2,235	27	1.2%	3	45	48	$22.95	Master's degree
19-3031	Clinical, Counseling, and School Psychologists	776	879	103	13.3%	10	17	27	$28.83	Doctoral degree
27-2022	Coaches and Scouts	1,580	1,676	96	6.1%	10	30	40	$20,590	Long-term on-the-job training
51-9121	Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	686	538	-148	-21.6%	0	18	18	$17.38	Moderate-term on-the-job training
51-2021	Coil Winders, Tapers, and Finishers	163	118	-45	-27.6%	0	4	4	$13.21	Short-term on-the-job training
49-9091	Coin, Vending, and Amusement Machine Servicers and Repairers	149	141	-8	-5.4%	0	4	4	$13.74	Moderate-term on-the-job training
35-3021	Combined Food Preparation and Serving Workers, Including Fast Food	11,513	13,203	1,690	14.7%	169	499	668	$7.72	Short-term on-the-job training
27-1021	Commercial and Industrial Designers	82	85	3	3.7%	0	1	1	$25.68	Bachelor's degree
53-2012	Commercial Pilots	44	44	0	0.0%	0	1	1	$39,650	Postsecondary vocational training
11-3041	Compensation and Benefits Managers	296	325	29	9.8%	3	5	8	$31.49	Bachelor's degree plus work experience

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		2004	2014	Net	Percent	Growth	Replace-ment	Total		
13-1072	Compensation, Benefits, and Job Analysis Specialists	735	807	72	9.8%	7	11	18	$20.97	Bachelor's degree
13-1041	Compliance Officers, Except Agriculture, Construction, Health & Safety & Transportation	639	707	68	10.6%	7	15	22	$21.35	Long-term on-the-job training
11-3021	Computer and Information Systems Managers	1,026	1,151	125	12.2%	13	19	32	$38.24	Bachelor's degree plus work experience
17-2061	Computer Hardware Engineers	12	13	1	8.3%	0	0	0	*$36.85*	Bachelor's degree
43-9011	Computer Operators	473	299	-174	-36.8%	0	10	10	$14.17	Moderate-term on-the-job training
15-1021	Computer Programmers	854	734	-120	-14.1%	0	20	20	$25.10	Bachelor's degree
25-1021	Computer Science Teachers, Postsecondary	104	116	12	11.5%	1	2	3	$52,170	Master's degree
15-1031	Computer Software Engineers, Applications	978	1,229	251	25.7%	25	10	35	$32.55	Bachelor's degree
15-1032	Computer Software Engineers, Systems Software	324	420	96	29.6%	10	3	13	$32.57	Bachelor's degree
15-1099	Computer Specialists, All Other	195	210	15	7.7%	2	2	4	$26.43	Associate degree
15-1041	Computer Support Specialists	1,713	1,885	172	10.0%	17	21	38	$17.53	Associate degree
15-1051	Computer Systems Analysts	1,186	1,365	179	15.1%	18	13	31	$30.25	Bachelor's degree
49-2011	Computer, Automated Teller, and Office Machine Repairers	568	558	-10	-1.8%	0	7	7	$16.25	Postsecondary vocational training
51-4011	Computer-Controlled Machine Tool Operators, Metal and Plastic	346	335	-11	-3.2%	0	6	6	$15.63	Moderate-term on-the-job training
39-6012	Concierges	26	29	3	11.5%	0	1	1	$11.26	Moderate-term on-the-job training
19-1031	Conservation Scientists	74	75	1	1.4%	0	2	2	$23.09	Bachelor's degree
47-4011	Construction and Building Inspectors	350	403	53	15.1%	5	8	13	$16.71	Work experience in a related occupation
47-4099	Construction and Related Workers, All Other	89	87	-2	-2.2%	0	1	1	$12.98	Moderate-term on-the-job training
47-2061	Construction Laborers	3,393	3,334	-59	-1.7%	0	45	45	$12.28	Moderate-term on-the-job training
11-9021	Construction Managers	1,968	2,042	74	3.8%	7	36	43	$33.40	Bachelor's degree
49-9012	Control and Valve Installers and Repairers, Except Mechanical Door	271	253	-18	-6.6%	0	7	7	$23.10	Moderate-term on-the-job training
53-7011	Conveyor Operators and Tenders	301	301	0	0.0%	0	9	9	$14.08	Short-term on-the-job training
35-2019	Cooks, All Other	25	28	3	12.0%	0	1	1	$10.74	Moderate-term on-the-job training
35-2011	Cooks, Fast Food	2,470	2,855	385	15.6%	39	77	116	$8.55	Short-term on-the-job training
35-2012	Cooks, Institution and Cafeteria	1,871	1,864	-7	-0.4%	0	58	58	$10.56	Moderate-term on-the-job training
35-2014	Cooks, Restaurant	4,325	4,846	521	12.0%	52	134	186	$9.77	Long-term on-the-job training
35-2015	Cooks, Short Order	2,083	2,272	189	9.1%	19	65	84	$9.03	Short-term on-the-job training
33-3012	Correctional Officers and Jailers	1,285	1,356	71	5.5%	7	27	34	$13.55	Moderate-term on-the-job training
43-4021	Correspondence Clerks	22	18	-4	-18.2%	0	1	1	*$12.56*	Short-term on-the-job training
13-1051	Cost Estimators	651	726	75	11.5%	8	15	23	$23.83	Work experience in a related occupation
41-2021	Counter and Rental Clerks	1,849	2,204	355	19.2%	36	71	107	$10.22	Short-term on-the-job training

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35-3022	Counter Attendants, Cafeteria, Food Concession, and Coffee Shop	1,511	1,750	239	15.8%	24	99	123	$7.87	Short-term on-the-job training
43-5021	Couriers and Messengers	365	389	24	6.6%	2	8	10	$10.91	Short-term on-the-job training
23-2091	Court Reporters	35	36	1	2.9%	0	0	0	$22.57	Postsecondary vocational training
43-4031	Court, Municipal, and License Clerks	765	886	121	15.8%	12	17	29	$12.36	Short-term on-the-job training
27-1012	Craft Artists	77	84	7	9.1%	1	1	2	$9.86	Long-term on-the-job training
53-7021	Crane and Tower Operators	263	264	1	0.4%	0	6	6	$17.56	Long-term on-the-job training
43-4041	Credit Authorizers, Checkers, and Clerks	151	91	-60	-39.7%	0	3	3	*$12.87*	Short-term on-the-job training
25-1111	Criminal Justice and Law Enforcement Teachers, Postsecondary	39	44	5	12.8%	1	1	2	$45,920	Doctoral degree
33-9091	Crossing Guards	440	559	119	27.0%	12	14	26	$8.13	Short-term on-the-job training
51-9021	Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders	290	255	-35	-12.1%	0	8	8	$17.16	Moderate-term on-the-job training
25-4012	Curators	84	88	4	4.8%	0	2	2	$20.76	Master's degree
43-4051	Customer Service Representatives	8,406	9,724	1,318	15.7%	132	125	257	$13.05	Moderate-term on-the-job training
51-9031	Cutters and Trimmers, Hand	47	47	0	0.0%	0	1	1	$11.42	Short-term on-the-job training
51-9032	Cutting and Slicing Machine Setters, Operators, and Tenders	801	680	-121	-15.1%	0	17	17	$14.59	Moderate-term on-the-job training
51-4031	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	489	382	-107	-21.9%	0	11	11	$13.27	Moderate-term on-the-job training
43-9021	Data Entry Keyers	1,075	946	-129	-12.0%	0	25	25	$10.73	Moderate-term on-the-job training
15-1061	Database Administrators	321	415	94	29.3%	9	3	12	$27.26	Bachelor's degree
31-9091	Dental Assistants	1,021	1,296	275	26.9%	28	29	57	$15.90	Moderate-term on-the-job training
29-2021	Dental Hygienists	813	1,030	217	26.7%	22	7	29	$25.87	Associate degree
51-9081	Dental Laboratory Technicians	86	91	5	5.8%	1	2	3	$14.40	Long-term on-the-job training
29-1021	Dentists, General	580	601	21	3.6%	2	10	12	$87.91	First professional degree
27-1029	Designers, All Other	104	109	5	4.8%	1	2	3	$15.04	Bachelor's degree
43-9031	Desktop Publishers	203	244	41	20.2%	4	5	9	$15.75	Postsecondary vocational training
33-3021	Detectives and Criminal Investigators	326	369	43	13.2%	4	9	13	$23.91	Work experience in a related occupation
29-2032	Diagnostic Medical Sonographers	139	167	28	20.1%	3	3	6	$27.79	Associate degree
29-2051	Dietetic Technicians	144	163	19	13.2%	2	2	4	$12.73	Moderate-term on-the-job training
29-1031	Dietitians and Nutritionists	284	327	43	15.1%	4	7	11	$19.88	Bachelor's degree
35-9011	Dining Room and Cafeteria Attendants and Bartender Helpers	1,346	1,498	152	11.3%	15	45	60	$7.78	Short-term on-the-job training
21-2021	Directors, Religious Activities and Education	230	246	16	7.0%	2	3	5	NA	Bachelor's degree
35-9021	Dishwashers	3,533	3,892	359	10.2%	36	119	155	$7.70	Short-term on-the-job training
43-5032	Dispatchers, Except Police, Fire, and Ambulance	807	807	0	0.0%	0	17	17	$15.92	Moderate-term on-the-job training

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41-9091	Door-To-Door Sales Workers, News and Street Vendors, and Related Workers	516	486	-30	-5.8%	0	12	12	$11.92	Short-term on-the-job training
17-3019	Drafters, All Other	164	148	-16	-9.8%	0	4	4	$19.81	Postsecondary vocational training
51-4032	Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic	131	111	-20	-15.3%	0	4	4	$14.85	Moderate-term on-the-job training
53-3031	Driver/Sales Workers	2,061	2,188	127	6.2%	13	34	47	$13.17	Short-term on-the-job training
47-2081	Drywall and Ceiling Tile Installers	385	382	-3	-0.8%	0	8	8	$16.17	Moderate-term on-the-job training
25-1063	Economics Teachers, Postsecondary	85	96	11	12.9%	1	2	3	$66,100	Doctoral degree
19-3011	Economists	45	45	0	0.0%	0	1	1	$26.77	Master's degree
27-3041	Editors	543	588	45	8.3%	5	13	18	$18.82	Bachelor's degree
11-9039	Education Administrators, All Other	174	191	17	9.8%	2	4	6	$23.06	Bachelor's degree plus work experience
11-9032	Education Administrators, Elementary and Secondary School	1,462	1,472	10	0.7%	1	36	37	$61,750	Bachelor's degree plus work experience
11-9033	Education Administrators, Postsecondary	627	664	37	5.9%	4	16	20	$28.62	Bachelor's degree plus work experience
11-9031	Education Administrators, Preschool and Child Care Center/Program	168	192	24	14.3%	2	4	6	$16.78	Bachelor's degree plus work experience
25-9099	Education, Training, and Library Workers, All Other	76	94	18	23.7%	2	1	3	$13.84	Bachelor's degree
21-1012	Educational, Vocational, and School Counselors	1,125	1,120	-5	-0.4%	0	26	26	$19.82	Master's degree
49-2092	Electric Motor, Power Tool, and Related Repairers	385	378	-7	-1.8%	0	9	9	$17.53	Postsecondary vocational training
17-3023	Electrical and Electronic Engineering Technicians	532	577	45	8.5%	5	11	16	$22.15	Associate degree
51-2022	Electrical and Electronic Equipment Assemblers	553	554	1	0.2%	0	13	13	$9.77	Short-term on-the-job training
17-3012	Electrical and Electronics Drafters	118	117	-1	-0.8%	0	3	3	$20.71	Postsecondary vocational training
49-2093	Electrical and Electronics Installers and Repairers, Transportation Equipment	74	70	-4	-5.4%	0	2	2	$20.11	Postsecondary vocational training
49-2094	Electrical and Electronics Repairers, Commercial and Industrial Equipment	281	280	-1	-0.4%	0	6	6	$23.09	Postsecondary vocational training
49-2095	Electrical and Electronics Repairers, Powerhouse, Substation, and Relay	57	55	-2	-3.5%	0	1	1	$24.75	Postsecondary vocational training
17-2071	Electrical Engineers	323	338	15	4.6%	2	6	8	$32.33	Bachelor's degree
49-9051	Electrical Power-Line Installers and Repairers	483	489	6	1.2%	1	15	16	$21.43	Long-term on-the-job training
47-2111	Electricians	3,649	3,527	-122	-3.3%	0	72	72	$19.69	Long-term on-the-job training
51-2023	Electromechanical Equipment Assemblers	227	204	-23	-10.1%	0	5	5	$11.03	Short-term on-the-job training
17-3024	Electro-Mechanical Technicians	277	271	-6	-2.2%	0	6	6	*$22.60*	Associate degree
49-2096	Electronic Equipment Installers and Repairers, Motor Vehicles	41	50	9	22.0%	1	1	2	$11.93	Postsecondary vocational training
49-2097	Electronic Home Entertainment Equipment Installers and Repairers	76	78	2	2.6%	0	2	2	$14.39	Postsecondary vocational training
17-2072	Electronics Engineers, Except Computer	301	316	15	5.0%	2	6	8	$35.65	Bachelor's degree
25-2021	Elementary School Teachers, Except Special Education	6,457	6,642	185	2.9%	19	143	162	$41,540	Bachelor's degree
43-4061	Eligibility Interviewers, Government Programs	583	500	-83	-14.2%	0	16	16	$13.95	Moderate-term on-the-job training

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39-4011	Embalmers	16	20	4	25.0%	0	0	0	$17.39	Postsecondary vocational training
13-1061	Emergency Management Specialists	54	65	11	20.4%	1	1	2	$20.62	Work experience in a related occupation
29-2041	Emergency Medical Technicians and Paramedics	1,563	1,864	301	19.3%	30	18	48	$12.25	Postsecondary vocational training
13-1071	Employment, Recruitment, and Placement Specialists	407	451	44	10.8%	4	6	10	$20.76	Bachelor's degree
11-9041	Engineering Managers	769	780	11	1.4%	1	15	16	$44.90	Bachelor's degree plus work experience
17-3029	Engineering Technicians, Except Drafters, All Other	563	589	26	4.6%	3	14	17	$27.67	Associate degree
17-2199	Engineers, All Other	525	473	-52	-9.9%	0	10	10	$36.79	Bachelor's degree
25-1123	English Language and Literature Teachers, Postsecondary	272	306	34	12.5%	3	6	9	$51,680	Master's degree
17-3025	Environmental Engineering Technicians	89	98	9	10.1%	1	2	3	$17.42	Associate degree
17-2081	Environmental Engineers	332	393	61	18.4%	6	6	12	$29.68	Bachelor's degree
19-4091	Environmental Science and Protection Technicians, Including Health	203	209	6	3.0%	1	5	6	$14.96	Associate degree
25-1053	Environmental Science Teachers, Postsecondary	41	48	7	17.1%	1	1	2	$53,460	Doctoral degree
19-2041	Environmental Scientists and Specialists, Including Health	645	656	11	1.7%	1	12	13	$22.51	Master's degree
19-1041	Epidemiologists	13	15	2	15.4%	0	0	0	$29.54	Master's degree
51-9194	Etchers and Engravers	39	36	-3	-7.7%	0	1	1	$12.54	Long-term on-the-job training
53-7032	Excavating and Loading Machine and Dragline Operators	777	834	57	7.3%	6	21	27	$15.30	Moderate-term on-the-job training
43-6011	Executive Secretaries and Administrative Assistants	4,062	4,254	192	4.7%	19	78	97	$18.22	Moderate-term on-the-job training
51-4021	Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic	88	60	-28	-31.8%	0	3	3	*$13.36*	Moderate-term on-the-job training
51-9041	Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders	392	349	-43	-11.0%	0	10	10	$13.58	Moderate-term on-the-job training
49-9093	Fabric Menders, Except Garment	44	44	0	0.0%	0	1	1	$17.67	Moderate-term on-the-job training
45-4021	Fallers	1,165	969	-196	-16.8%	0	22	22	$11.13	Moderate-term on-the-job training
29-1062	Family and General Practitioners	782	860	78	10.0%	8	11	19	$63.89	First professional degree
49-3041	Farm Equipment Mechanics	101	111	10	9.9%	1	2	3	$13.03	Postsecondary vocational training
11-9011	Farm, Ranch, and Other Agricultural Managers	518	625	107	20.7%	11	9	20	$29.03	Bachelor's degree plus work experience
11-9012	Farmers and Ranchers	2,746	2,835	89	3.2%	9	16	25	NA	Long-term on-the-job training
45-2092	Farmworkers and Laborers, Crop, Nursery, and Greenhouse	1,400	1,459	59	4.2%	6	40	46	$9.52	Short-term on-the-job training
27-1022	Fashion Designers	14	12	-2	-14.3%	0	0	0	$30.78	Associate degree
51-2091	Fiberglass Laminators and Fabricators	470	371	-99	-21.1%	0	12	12	$16.51	Moderate-term on-the-job training
43-4071	File Clerks	546	319	-227	-41.6%	0	16	16	$9.97	Short-term on-the-job training
27-4032	Film and Video Editors	65	81	16	24.6%	2	1	3	$20.22	Bachelor's degree
13-2051	Financial Analysts	337	380	43	12.8%	4	5	9	$31.25	Bachelor's degree

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13-2061	Financial Examiners	73	80	7	9.6%	1	2	3	$26.04	Bachelor's degree
11-3031	Financial Managers	2,832	3,164	332	11.7%	33	41	74	$33.65	Bachelor's degree plus work experience
13-2099	Financial Specialists, All Other	421	452	31	7.4%	3	7	10	$24.63	Bachelor's degree
27-1013	Fine Artists, Including Painters, Sculptors, and Illustrators	995	1,139	144	14.5%	14	22	36	$24.03	Long-term on-the-job training
33-2011	Fire Fighters	2,122	2,633	511	24.1%	51	62	113	$14.43	Long-term on-the-job training
33-2021	Fire Inspectors and Investigators	70	63	-7	-10.0%	0	2	2	$15.88	Work experience in a related occupation
47-1011	First-Line Supervisors/Managers of Construction Trades and Extraction Workers	3,945	4,144	199	5.0%	20	67	87	$21.24	Work experience in a related occupation
33-1011	First-Line Supervisors/Managers of Correctional Officers	84	92	8	9.5%	1	3	4	$19.41	Work experience in a related occupation
45-1011	First-Line Supervisors/Managers of Farming, Fishing, and Forestry Workers	329	357	28	8.5%	3	8	11	$21.17	Work experience in a related occupation
33-1021	First-Line Supervisors/Managers of Fire Fighting and Prevention Workers	226	273	47	20.8%	5	9	14	$16.78	Work experience in a related occupation
35-1012	First-Line Supervisors/Managers of Food Preparation and Serving Workers	4,000	4,527	527	13.2%	53	95	148	$12.09	Work experience in a related occupation
53-1021	First-Line Supervisors/Managers of Helpers, Laborers, and Material Movers, Hand	741	787	46	6.2%	5	17	22	$17.25	Work experience in a related occupation
37-1011	First-Line Supervisors/Managers of Housekeeping and Janitorial Workers	821	919	98	11.9%	10	19	29	$16.35	Work experience in a related occupation
37-1012	First-Line Supervisors/Managers of Landscaping, Lawn Service & Groundskeeping Workers	832	884	52	6.3%	5	8	13	$16.89	Work experience in a related occupation
49-1011	First-Line Supervisors/Managers of Mechanics, Installers, and Repairers	2,246	2,447	201	8.9%	20	56	76	$23.30	Work experience in a related occupation
41-1012	First-Line Supervisors/Managers of Non-Retail Sales Workers	1,661	1,727	66	4.0%	7	31	38	$23.07	Work experience in a related occupation
43-1011	First-Line Supervisors/Managers of Office and Administrative Support Workers	6,745	7,110	365	5.4%	37	145	182	$18.09	Work experience in a related occupation
39-1021	First-Line Supervisors/Managers of Personal Service Workers	696	829	133	19.1%	13	18	31	$13.82	Work experience in a related occupation
33-1012	First-Line Supervisors/Managers of Police and Detectives	412	468	56	13.6%	6	14	20	$25.49	Work experience in a related occupation
51-1011	First-Line Supervisors/Managers of Production and Operating Workers	3,722	3,602	-120	-3.2%	0	78	78	$21.78	Work experience in a related occupation
41-1011	First-Line Supervisors/Managers of Retail Sales Workers	9,811	10,345	534	5.4%	53	176	229	$15.52	Work experience in a related occupation
53-1031	First-Line Supervisors/Managers of Transportation & Material-Moving Machine Operators	830	923	93	11.2%	9	20	29	$22.72	Work experience in a related occupation
33-1099	First-Line Supervisors/Managers, Protective Service Workers, All Other	185	193	8	4.3%	1	5	6	$24.99	Work experience in a related occupation
33-3031	Fish and Game Wardens	142	151	9	6.3%	1	4	5	$18.89	Associate degree
45-3011	Fishers and Related Fishing Workers	2,638	2,674	36	1.4%	4	75	79	NA	Moderate-term on-the-job training
39-9031	Fitness Trainers and Aerobics Instructors	1,065	1,308	243	22.8%	24	24	48	$10.90	Postsecondary vocational training
27-1023	Floral Designers	469	533	64	13.6%	6	6	12	$10.23	Moderate-term on-the-job training
51-3092	Food Batchmakers	230	255	25	10.9%	3	6	9	$13.10	Short-term on-the-job training
51-3093	Food Cooking Machine Operators and Tenders	96	101	5	5.2%	1	2	3	$9.21	Short-term on-the-job training
35-9099	Food Preparation and Serving Related Workers, All Other	29	30	1	3.4%	0	1	1	$9.85	Short-term on-the-job training
35-2021	Food Preparation Workers	6,401	7,283	882	13.8%	88	226	314	$9.04	Short-term on-the-job training

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19-1012	Food Scientists and Technologists	36	38	2	5.6%	0	1	1	$26.04	Bachelor's degree
35-3041	Food Servers, Nonrestaurant	1,022	1,088	66	6.5%	7	34	41	$8.59	Short-term on-the-job training
11-9051	Food Service Managers	1,871	2,052	181	9.7%	18	31	49	$20.63	Work experience in a related occupation
25-1124	Foreign Language and Literature Teachers, Postsecondary	120	137	17	14.2%	2	3	5	$47,910	Master's degree
19-4092	Forensic Science Technicians	37	46	9	24.3%	1	1	2	$16.67	Associate degree
19-4093	Forest and Conservation Technicians	41	43	2	4.9%	0	1	1	$13.33	Associate degree
33-2022	Forest Fire Inspectors and Prevention Specialists	86	79	-7	-8.1%	0	3	3	*$18.74*	Work experience in a related occupation
19-1032	Foresters	159	157	-2	-1.3%	0	5	5	$23.76	Bachelor's degree
51-4071	Foundry Mold and Coremakers	16	16	0	0.0%	0	0	0	$17.75	Moderate-term on-the-job training
39-4021	Funeral Attendants	188	245	57	30.3%	6	4	10	$11.57	Short-term on-the-job training
11-9061	Funeral Directors	179	209	30	16.8%	3	5	8	$26.97	Associate degree
51-9051	Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders	206	191	-15	-7.3%	0	5	5	$18.29	Moderate-term on-the-job training
51-7021	Furniture Finishers	183	152	-31	-16.9%	0	4	4	$12.30	Long-term on-the-job training
11-1021	General and Operations Managers	10,273	11,583	1,310	12.8%	131	194	325	$38.07	Bachelor's degree plus work experience
19-4041	Geological and Petroleum Technicians	18	20	2	11.1%	0	1	1	$15.81	Associate degree
19-2042	Geoscientists, Except Hydrologists and Geographers	106	110	4	3.8%	0	2	2	$23.40	Master's degree
47-2121	Glaziers	112	128	16	14.3%	2	2	4	$14.92	Long-term on-the-job training
45-2041	Graders and Sorters, Agricultural Products	335	313	-22	-6.6%	0	9	9	$8.36	Work experience in a related occupation
27-1024	Graphic Designers	703	768	65	9.2%	7	9	16	$16.26	Bachelor's degree
51-9022	Grinding and Polishing Workers, Hand	89	82	-7	-7.9%	0	2	2	$12.35	Moderate-term on-the-job training
51-4033	Grinding/Lapping/Polishing & Buffing Machine Tool Setters/Operators/Tenders, Metal & Plastic	260	224	-36	-13.8%	0	5	5	$15.33	Moderate-term on-the-job training
37-3019	Grounds Maintenance Workers, All Other	20	22	2	10.0%	0	0	0	$19.91	Short-term on-the-job training
39-5012	Hairdressers, Hairstylists, and Cosmetologists	3,503	3,884	381	10.9%	38	67	105	$11.57	Postsecondary vocational training
47-4041	Hazardous Materials Removal Workers	388	434	46	11.9%	5	10	15	$16.78	Moderate-term on-the-job training
17-2111	Health and Safety Engineers, Except Mining Safety Engineers and Inspectors	125	131	6	4.8%	1	3	4	$24.96	Bachelor's degree
29-1199	Health Diagnosing and Treating Practitioners, All Other	333	385	52	15.6%	5	7	12	$59.42	Bachelor's degree
21-1091	Health Educators	349	413	64	18.3%	6	6	12	$17.16	Master's degree
25-1071	Health Specialties Teachers, Postsecondary	259	299	40	15.4%	4	6	10	$51,590	Master's degree
29-2099	Health Technologists and Technicians, All Other	154	175	21	13.6%	2	3	5	$19.53	Postsecondary vocational training
29-9099	Healthcare Practitioners and Technical Workers, All Other	200	250	50	25.0%	5	4	9	$21.20	Postsecondary vocational training
31-9099	Healthcare Support Workers, All Other	739	911	172	23.3%	17	14	31	$12.10	Short-term on-the-job training

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51-4191	Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic	50	46	-4	-8.0%	0	2	2	$12.85	Moderate-term on-the-job training
49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	1,784	2,074	290	16.3%	29	24	53	$17.47	Long-term on-the-job training
47-3019	Helpers, Construction Trades, All Other	146	128	-18	-12.3%	0	6	6	$11.07	Short-term on-the-job training
47-3011	Helpers--Brickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters	233	247	14	6.0%	1	10	11	$13.30	Short-term on-the-job training
47-3012	Helpers--Carpenters	669	720	51	7.6%	5	28	33	$10.21	Short-term on-the-job training
47-3013	Helpers--Electricians	590	558	-32	-5.4%	0	25	25	$13.27	Short-term on-the-job training
47-5081	Helpers--Extraction Workers	52	56	4	7.7%	0	2	2	$9.65	Short-term on-the-job training
49-9098	Helpers--Installation, Maintenance, and Repair Workers	415	479	64	15.4%	6	14	20	$11.95	Short-term on-the-job training
47-3014	Helpers--Painters, Paperhangers, Plasterers, and Stucco Masons	53	56	3	5.7%	0	2	2	*$10.14*	Short-term on-the-job training
47-3015	Helpers--Pipelayers, Plumbers, Pipefitters, and Steamfitters	269	290	21	7.8%	2	11	13	$13.83	Short-term on-the-job training
51-9198	Helpers--Production Workers	1,945	1,868	-77	-4.0%	0	55	55	$11.33	Short-term on-the-job training
47-3016	Helpers--Roofers	151	159	8	5.3%	1	6	7	$10.42	Short-term on-the-job training
47-4051	Highway Maintenance Workers	2,310	2,749	439	19.0%	44	33	77	$12.28	Moderate-term on-the-job training
19-3093	Historians	15	16	1	6.7%	0	0	0	$18.96	Master's degree
25-1125	History Teachers, Postsecondary	110	125	15	13.6%	2	3	5	$55,460	Doctoral degree
49-9031	Home Appliance Repairers	397	375	-22	-5.5%	0	9	9	$14.74	Long-term on-the-job training
31-1011	Home Health Aides	3,859	5,044	1,185	30.7%	119	51	170	$9.81	Short-term on-the-job training
35-9031	Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	1,268	1,416	148	11.7%	15	40	55	$8.63	Short-term on-the-job training
43-4081	Hotel, Motel, and Resort Desk Clerks	1,646	1,887	241	14.6%	24	74	98	$9.73	Short-term on-the-job training
43-4161	Human Resources Assistants, Except Payroll and Timekeeping	582	639	57	9.8%	6	13	19	$14.57	Short-term on-the-job training
11-3049	Human Resources Managers, All Other	353	384	31	8.8%	3	6	9	$31.68	Bachelor's degree plus work experience
13-1079	Human Resources, Training, and Labor Relations Specialists, All Other	352	414	62	17.6%	6	6	12	$21.79	Bachelor's degree
45-3021	Hunters and Trappers	13	21	8	61.5%	1	1	2	NA	Moderate-term on-the-job training
19-2043	Hydrologists	89	108	19	21.3%	2	2	4	$30.99	Master's degree
17-3026	Industrial Engineering Technicians	241	225	-16	-6.6%	0	5	5	$20.96	Associate degree
17-2112	Industrial Engineers	435	449	14	3.2%	1	11	12	$31.11	Bachelor's degree
49-9041	Industrial Machinery Mechanics	943	925	-18	-1.9%	0	19	19	$17.69	Long-term on-the-job training
11-3051	Industrial Production Managers	702	654	-48	-6.8%	0	14	14	$34.33	Work experience in a related occupation
53-7051	Industrial Truck and Tractor Operators	2,429	2,570	141	5.8%	14	46	60	$13.56	Short-term on-the-job training
43-4199	Information and Record Clerks, All Other	938	839	-99	-10.6%	0	15	15	$14.83	Short-term on-the-job training
51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	1,886	1,747	-139	-7.4%	0	43	43	$14.58	Moderate-term on-the-job training

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49-9099	Installation, Maintenance, and Repair Workers, All Other	944	985	41	4.3%	4	22	26	$16.16	Moderate-term on-the-job training
25-9031	Instructional Coordinators	339	417	78	23.0%	8	5	13	$21.00	Master's degree
47-2131	Insulation Workers, Floor, Ceiling, and Wall	166	161	-5	-3.0%	0	5	5	$15.26	Moderate-term on-the-job training
47-2132	Insulation Workers, Mechanical	354	276	-78	-22.0%	0	11	11	$15.55	Moderate-term on-the-job training
13-1032	Insurance Appraisers, Auto Damage	58	63	5	8.6%	1	1	2	$20.88	Long-term on-the-job training
43-9041	Insurance Claims and Policy Processing Clerks	1,350	1,259	-91	-6.7%	0	22	22	$13.53	Moderate-term on-the-job training
41-3021	Insurance Sales Agents	3,347	3,169	-178	-5.3%	0	80	80	$22.75	Bachelor's degree
13-2053	Insurance Underwriters	623	605	-18	-2.9%	0	11	11	$24.04	Bachelor's degree
27-1025	Interior Designers	240	257	17	7.1%	2	3	5	$18.55	Associate degree
29-1063	Internists, General	448	475	27	6.0%	3	6	9	$70.88	First professional degree
27-3091	Interpreters and Translators	252	334	82	32.5%	8	3	11	$15.65	Long-term on-the-job training
43-4111	Interviewers, Except Eligibility and Loan	724	860	136	18.8%	14	19	33	$11.51	Short-term on-the-job training
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	11,208	12,296	1,088	9.7%	109	213	322	$10.58	Short-term on-the-job training
51-9071	Jewelers and Precious Stone and Metal Workers	228	240	12	5.3%	1	5	6	$15.75	Postsecondary vocational training
51-5021	Job Printers	129	140	11	8.5%	1	3	4	$15.23	Long-term on-the-job training
23-1023	Judges, Magistrate Judges, and Magistrates	85	82	-3	-3.5%	0	1	1	$43.96	Bachelor's degree plus work experience
25-2012	Kindergarten Teachers, Except Special Education	1,123	1,187	64	5.7%	6	13	19	$40,490	Bachelor's degree
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	9,892	9,975	83	0.8%	8	323	331	$10.20	Short-term on-the-job training
17-1012	Landscape Architects	89	96	7	7.9%	1	1	2	$26.65	Bachelor's degree
37-3011	Landscaping and Groundskeeping Workers	5,425	6,033	608	11.2%	61	118	179	$10.67	Short-term on-the-job training
51-4034	Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and Plastic	77	69	-8	-10.4%	0	2	2	$14.59	Moderate-term on-the-job training
51-6011	Laundry and Dry-Cleaning Workers	900	915	15	1.7%	2	25	27	$9.03	Moderate-term on-the-job training
23-2092	Law Clerks	65	63	-2	-3.1%	0	1	1	$19.21	Bachelor's degree
23-1011	Lawyers	2,972	3,326	354	11.9%	35	38	73	$41.93	First professional degree
43-6012	Legal Secretaries	1,267	1,409	142	11.2%	14	24	38	$15.96	Postsecondary vocational training
23-2099	Legal Support Workers, All Other	198	230	32	16.2%	3	2	5	$20.62	Bachelor's degree
11-1031	Legislators	505	518	13	2.6%	1	7	8	$24,190	Bachelor's degree plus work experience
25-4021	Librarians	706	703	-3	-0.4%	0	17	17	$17.97	Master's degree
43-4121	Library Assistants, Clerical	309	334	25	8.1%	3	13	16	$10.82	Short-term on-the-job training
25-4031	Library Technicians	912	945	33	3.6%	3	34	37	$12.39	Postsecondary vocational training
29-2061	Licensed Practical and Licensed Vocational Nurses	1,992	2,098	106	5.3%	11	43	54	$16.22	Postsecondary vocational training

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19-4099	Life, Physical, and Social Science Technicians, All Other	189	199	10	5.3%	1	4	5	$23.44	Associate degree
33-9092	Lifeguards, Ski Patrol, and Other Recreational Protective Service Workers	195	238	43	22.1%	4	14	18	$8.06	Short-term on-the-job training
13-2071	Loan Counselors	99	105	6	6.1%	1	2	3	$18.46	Bachelor's degree
43-4131	Loan Interviewers and Clerks	865	832	-33	-3.8%	0	12	12	$12.67	Short-term on-the-job training
13-2072	Loan Officers	1,258	1,308	50	4.0%	5	20	25	$24.86	Bachelor's degree
53-4011	Locomotive Engineers	113	128	15	13.3%	2	3	5	*$23.48*	Moderate-term on-the-job training
11-9081	Lodging Managers	1,030	1,216	186	18.1%	19	17	36	$21.05	Work experience in a related occupation
45-4023	Log Graders and Scalers	278	268	-10	-3.6%	0	5	5	$14.46	Moderate-term on-the-job training
45-4022	Logging Equipment Operators	1,878	1,991	113	6.0%	11	35	46	$15.37	Moderate-term on-the-job training
13-1081	Logisticians	36	37	1	2.8%	0	1	1	*$24.23*	Bachelor's degree
53-7063	Machine Feeders and Offbearers	600	455	-145	-24.2%	0	16	16	$12.20	Short-term on-the-job training
51-4041	Machinists	1,818	1,743	-75	-4.1%	0	42	42	$18.92	Long-term on-the-job training
37-2012	Maids and Housekeeping Cleaners	8,283	9,147	864	10.4%	86	174	260	$8.86	Short-term on-the-job training
43-9051	Mail Clerks and Mail Machine Operators, Except Postal Service	663	400	-263	-39.7%	0	20	20	$10.99	Short-term on-the-job training
49-9042	Maintenance and Repair Workers, General	5,726	6,226	500	8.7%	50	110	160	$15.25	Moderate-term on-the-job training
49-9043	Maintenance Workers, Machinery	256	230	-26	-10.2%	0	6	6	$16.25	Short-term on-the-job training
13-1111	Management Analysts	1,829	1,837	8	0.4%	1	25	26	$27.71	Bachelor's degree plus work experience
11-9199	Managers, All Other	2,369	2,318	-51	-2.2%	0	46	46	$34.12	Work experience in a related occupation
17-2121	Marine Engineers and Naval Architects	43	42	-1	-2.3%	0	2	2	$33.17	Bachelor's degree
19-3021	Market Research Analysts	263	308	45	17.1%	5	7	12	$24.23	Bachelor's degree
11-2021	Marketing Managers	748	879	131	17.5%	13	14	27	$35.85	Bachelor's degree plus work experience
21-1013	Marriage and Family Therapists	34	40	6	17.6%	1	1	2	$17.29	Master's degree
31-9011	Massage Therapists	495	607	112	22.6%	11	10	21	$12.08	Postsecondary vocational training
53-7199	Material Moving Workers, All Other	36	28	-8	-22.2%	0	1	1	*$14.29*	Moderate-term on-the-job training
17-2131	Materials Engineers	38	39	1	2.6%	0	1	1	$33.18	Bachelor's degree
19-2032	Materials Scientists	11	11	0	0.0%	0	0	0	*$20.39*	Bachelor's degree
25-1022	Mathematical Science Teachers, Postsecondary	197	221	24	12.2%	2	4	6	$50,290	Master's degree
51-3022	Meat, Poultry, and Fish Cutters and Trimmers	576	537	-39	-6.8%	0	13	13	$10.12	Short-term on-the-job training
17-3013	Mechanical Drafters	797	650	-147	-18.4%	0	22	22	$23.12	Postsecondary vocational training
17-3027	Mechanical Engineering Technicians	57	64	7	12.3%	1	1	2	$21.28	Associate degree
17-2141	Mechanical Engineers	638	647	9	1.4%	1	17	18	$31.08	Bachelor's degree

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		2004	2014	Net	Percent	Growth	Replace-ment	Total		
27-4099	Media and Communication Equipment Workers, All Other	44	47	3	6.8%	0	1	1	$22.07	Moderate-term on-the-job training
27-3099	Media and Communication Workers, All Other	29	32	3	10.3%	0	0	0	$23.65	Long-term on-the-job training
29-2012	Medical and Clinical Laboratory Technicians	629	750	121	19.2%	12	17	29	$16.00	Associate degree
29-2011	Medical and Clinical Laboratory Technologists	834	1,020	186	22.3%	19	23	42	$21.24	Bachelor's degree
11-9111	Medical and Health Services Managers	1,544	1,794	250	16.2%	25	30	55	$34.81	Bachelor's degree plus work experience
21-1022	Medical and Public Health Social Workers	617	742	125	20.3%	13	11	24	$19.49	Bachelor's degree
51-9082	Medical Appliance Technicians	24	25	1	4.2%	0	1	1	$14.64	Long-term on-the-job training
31-9092	Medical Assistants	1,516	2,031	515	34.0%	52	28	80	$12.61	Moderate-term on-the-job training
31-9093	Medical Equipment Preparers	203	228	25	12.3%	3	4	7	$12.36	Short-term on-the-job training
49-9062	Medical Equipment Repairers	73	81	8	11.0%	1	2	3	$20.25	Associate degree
29-2071	Medical Records and Health Information Technicians	929	1,110	181	19.5%	18	13	31	$13.16	Associate degree
43-6013	Medical Secretaries	2,389	2,529	140	5.9%	14	46	60	$13.19	Postsecondary vocational training
31-9094	Medical Transcriptionists	743	905	162	21.8%	16	14	30	$13.31	Postsecondary vocational training
13-1121	Meeting and Convention Planners	156	185	29	18.6%	3	3	6	$17.21	Bachelor's degree
21-1023	Mental Health and Substance Abuse Social Workers	2,011	2,502	491	24.4%	49	34	83	$17.78	Master's degree
21-1014	Mental Health Counselors	850	1,054	204	24.0%	20	19	39	$18.86	Master's degree
27-1026	Merchandise Displayers and Window Trimmers	171	183	12	7.0%	1	2	3	$12.27	Moderate-term on-the-job training
51-4199	Metal Workers and Plastic Workers, All Other	116	100	-16	-13.8%	0	3	3	$20.94	Moderate-term on-the-job training
43-5041	Meter Readers, Utilities	198	105	-93	-47.0%	0	6	6	$15.29	Short-term on-the-job training
19-1022	Microbiologists	86	87	1	1.2%	0	3	3	$26.54	Doctoral degree
25-2022	Middle School Teachers, Except Special and Vocational Education	3,224	3,170	-54	-1.7%	0	71	71	$41,420	Bachelor's degree
51-4035	Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic	63	59	-4	-6.3%	0	1	1	$12.79	Moderate-term on-the-job training
49-9044	Millwrights	843	744	-99	-11.7%	0	21	21	$20.19	Long-term on-the-job training
51-9023	Mixing and Blending Machine Setters, Operators, and Tenders	493	444	-49	-9.9%	0	13	13	$17.63	Moderate-term on-the-job training
49-3042	Mobile Heavy Equipment Mechanics, Except Engines	703	767	64	9.1%	6	15	21	$17.68	Postsecondary vocational training
51-4061	Model Makers, Metal and Plastic	22	16	-6	-27.3%	0	1	1	$20.01	Moderate-term on-the-job training
51-9195	Molders, Shapers, and Casters, Except Metal and Plastic	375	344	-31	-8.3%	0	9	9	$11.78	Moderate-term on-the-job training
51-4072	Molding, Coremaking & Casting Machine Setters, Operators & Tenders, Metal & Plastic	120	106	-14	-11.7%	0	3	3	$12.29	Moderate-term on-the-job training
39-3021	Motion Picture Projectionists	108	104	-4	-3.7%	0	6	6	$8.30	Short-term on-the-job training
53-3099	Motor Vehicle Operators, All Other	357	405	48	13.4%	5	5	10	$10.29	Short-term on-the-job training
49-3051	Motorboat Mechanics	159	188	29	18.2%	3	4	7	$15.23	Long-term on-the-job training

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		2004	2014	Net	Percent	Growth	Replace-ment	Total		
49-3052	Motorcycle Mechanics	107	147	40	37.4%	4	3	7	$14.70	Long-term on-the-job training
27-1014	Multi-Media Artists and Animators	188	214	26	13.8%	3	4	7	$24.15	Bachelor's degree
25-4013	Museum Technicians and Conservators	73	77	4	5.5%	0	2	2	$14.53	Master's degree
11-9121	Natural Sciences Managers	203	221	18	8.9%	2	4	6	$36.99	Bachelor's degree plus work experience
15-1071	Network and Computer Systems Administrators	993	1,253	260	26.2%	26	11	37	$25.62	Bachelor's degree
15-1081	Network Systems and Data Communications Analysts	521	736	215	41.3%	22	6	28	$29.42	Bachelor's degree
43-4141	New Accounts Clerks	330	372	42	12.7%	4	8	12	$11.66	Work experience in a related occupation
39-2021	Nonfarm Animal Caretakers	553	670	117	21.2%	12	14	26	$9.23	Short-term on-the-job training
17-2161	Nuclear Engineers	165	167	2	1.2%	0	5	5	$35.33	Bachelor's degree
29-2033	Nuclear Medicine Technologists	70	80	10	14.3%	1	1	2	$27.34	Associate degree
51-4012	Numerical Tool and Process Control Programmers	79	84	5	6.3%	1	1	2	$21.23	Long-term on-the-job training
31-1012	Nursing Aides, Orderlies, and Attendants	9,209	10,285	1,076	11.7%	108	121	229	$10.27	Postsecondary vocational training
25-1072	Nursing Instructors and Teachers, Postsecondary	252	284	32	12.7%	3	6	9	$47,910	Doctoral degree
29-1064	Obstetricians and Gynecologists	112	120	8	7.1%	1	2	3	$88.19	First professional degree
29-9011	Occupational Health and Safety Specialists	203	217	14	6.9%	1	4	5	$26.52	Bachelor's degree
29-9012	Occupational Health and Safety Technicians	35	37	2	5.7%	0	1	1	$16.29	Postsecondary vocational training
31-2012	Occupational Therapist Aides	25	31	6	24.0%	1	0	1	$13.39	Short-term on-the-job training
31-2011	Occupational Therapist Assistants	83	96	13	15.7%	1	1	2	$18.68	Associate degree
29-1122	Occupational Therapists	649	753	104	16.0%	10	9	19	$24.75	Master's degree
43-9199	Office and Administrative Support Workers, All Other	596	617	21	3.5%	2	14	16	$13.04	Short-term on-the-job training
43-9061	Office Clerks, General	12,517	12,850	333	2.7%	33	277	310	$10.82	Short-term on-the-job training
43-9071	Office Machine Operators, Except Computer	196	147	-49	-25.0%	0	5	5	$10.86	Short-term on-the-job training
47-2073	Operating Engineers and Other Construction Equipment Operators	1,571	1,710	139	8.8%	14	40	54	$15.34	Moderate-term on-the-job training
15-2031	Operations Research Analysts	162	175	13	8.0%	1	4	5	$29.16	Master's degree
51-9083	Ophthalmic Laboratory Technicians	152	157	5	3.3%	1	3	4	$12.06	Moderate-term on-the-job training
29-2081	Opticians, Dispensing	309	350	41	13.3%	4	5	9	$14.26	Long-term on-the-job training
29-1041	Optometrists	106	126	20	18.9%	2	3	5	$55.28	First professional degree
29-2091	Orthotists and Prosthetists	19	19	0	0.0%	0	0	0	$27.66	Bachelor's degree
49-3053	Outdoor Power Equipment and Other Small Engine Mechanics	190	230	40	21.1%	4	5	9	$11.02	Moderate-term on-the-job training
51-9111	Packaging and Filling Machine Operators and Tenders	1,517	1,367	-150	-9.9%	0	30	30	$12.71	Short-term on-the-job training
53-7064	Packers and Packagers, Hand	3,753	4,047	294	7.8%	29	70	99	$8.59	Short-term on-the-job training

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		2004	2014	Net	Percent	Growth	Replace-ment	Total		
47-2141	Painters, Construction and Maintenance	3,451	3,294	-157	-4.5%	0	53	53	$15.89	Moderate-term on-the-job training
51-9122	Painters, Transportation Equipment	320	338	18	5.6%	2	8	10	$13.22	Long-term on-the-job training
51-9123	Painting, Coating, and Decorating Workers	161	169	8	5.0%	1	4	5	$9.52	Short-term on-the-job training
51-9196	Paper Goods Machine Setters, Operators, and Tenders	1,037	911	-126	-12.2%	0	22	22	$19.33	Moderate-term on-the-job training
23-2011	Paralegals and Legal Assistants	938	1,156	218	23.2%	22	8	30	$20.00	Associate degree
33-3041	Parking Enforcement Workers	51	58	7	13.7%	1	1	2	*$12.44*	Short-term on-the-job training
53-6021	Parking Lot Attendants	165	133	-32	-19.4%	0	5	5	$8.37	Short-term on-the-job training
41-2022	Parts Salespersons	1,568	1,489	-79	-5.0%	0	45	45	$12.86	Moderate-term on-the-job training
47-2071	Paving, Surfacing, and Tamping Equipment Operators	668	744	76	11.4%	8	10	18	$12.67	Moderate-term on-the-job training
43-3051	Payroll and Timekeeping Clerks	1,003	1,085	82	8.2%	8	27	35	$14.08	Moderate-term on-the-job training
29-1065	Pediatricians, General	200	219	19	9.5%	2	3	5	$66.59	First professional degree
39-9021	Personal and Home Care Aides	5,875	7,656	1,781	30.3%	178	94	272	$8.75	Short-term on-the-job training
39-9099	Personal Care and Service Workers, All Other	558	643	85	15.2%	9	12	21	*$14.83*	Short-term on-the-job training
13-2052	Personal Financial Advisors	534	625	91	17.0%	9	7	16	$46.77	Bachelor's degree
37-2021	Pest Control Workers	121	127	6	5.0%	1	2	3	$14.20	Moderate-term on-the-job training
29-1051	Pharmacists	985	1,193	208	21.1%	21	19	40	$46.64	First professional degree
31-9095	Pharmacy Aides	141	152	11	7.8%	1	3	4	$8.74	Short-term on-the-job training
29-2052	Pharmacy Technicians	1,288	1,614	326	25.3%	33	17	50	$11.48	Moderate-term on-the-job training
25-1126	Philosophy and Religion Teachers, Postsecondary	159	181	22	13.8%	2	4	6	$48,660	Doctoral degree
27-4021	Photographers	350	389	39	11.1%	4	7	11	$14.36	Long-term on-the-job training
51-9131	Photographic Process Workers	142	116	-26	-18.3%	0	4	4	$12.66	Moderate-term on-the-job training
31-2022	Physical Therapist Aides	150	178	28	18.7%	3	3	6	$10.97	Short-term on-the-job training
31-2021	Physical Therapist Assistants	301	406	105	34.9%	11	5	16	$16.92	Associate degree
29-1123	Physical Therapists	1,094	1,320	226	20.7%	23	11	34	$29.31	Master's degree
29-1071	Physician Assistants	736	974	238	32.3%	24	11	35	$37.26	Bachelor's degree
29-1069	Physicians and Surgeons, All Other	1,268	1,378	110	8.7%	11	17	28	$72.03	First professional degree
19-2012	Physicists	45	46	1	2.2%	0	2	2	$42.72	Doctoral degree
25-1054	Physics Teachers, Postsecondary	58	65	7	12.1%	1	1	2	$70,070	Doctoral degree
51-8099	Plant and System Operators, All Other	82	80	-2	-2.4%	0	3	3	$16.93	Long-term on-the-job training
47-2161	Plasterers and Stucco Masons	23	23	0	0.0%	0	0	0	$17.82	Long-term on-the-job training
51-4193	Plating and Coating Machine Setters, Operators, and Tenders, Metal and Plastic	116	106	-10	-8.6%	0	3	3	$14.37	Moderate-term on-the-job training

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47-2152	Plumbers, Pipefitters, and Steamfitters	2,820	2,751	-69	-2.4%	0	65	65	$19.31	Long-term on-the-job training
29-1081	Podiatrists	147	155	8	5.4%	1	4	5	$42.23	First professional degree
33-3051	Police and Sheriff's Patrol Officers	2,186	2,513	327	15.0%	33	57	90	$16.91	Long-term on-the-job training
43-5031	Police, Fire, and Ambulance Dispatchers	703	805	102	14.5%	10	15	25	$14.21	Moderate-term on-the-job training
43-5051	Postal Service Clerks	577	492	-85	-14.7%	0	15	15	$21.97	Short-term on-the-job training
43-5052	Postal Service Mail Carriers	1,635	1,391	-244	-14.9%	0	51	51	$20.03	Short-term on-the-job training
43-5053	Postal Service Mail Sorters, Processors, and Processing Machine Operators	1,128	961	-167	-14.8%	0	30	30	$18.35	Short-term on-the-job training
11-9131	Postmasters and Mail Superintendents	390	332	-58	-14.9%	0	7	7	$24.38	Work experience in a related occupation
51-8012	Power Distributors and Dispatchers	22	21	-1	-4.5%	0	1	1	$25.50	Long-term on-the-job training
51-8013	Power Plant Operators	243	241	-2	-0.8%	0	7	7	$23.23	Long-term on-the-job training
51-5022	Prepress Technicians and Workers	282	272	-10	-3.5%	0	7	7	$15.43	Postsecondary vocational training
25-2011	Preschool Teachers, Except Special Education	2,048	2,428	380	18.6%	38	24	62	$11.55	Postsecondary vocational training
51-6021	Pressers, Textile, Garment, and Related Materials	164	138	-26	-15.9%	0	3	3	$9.73	Short-term on-the-job training
51-5023	Printing Machine Operators	750	789	39	5.2%	4	17	21	$14.16	Moderate-term on-the-job training
33-9021	Private Detectives and Investigators	223	249	26	11.7%	3	5	8	$16.83	Work experience in a related occupation
21-1092	Probation Officers and Correctional Treatment Specialists	385	400	15	3.9%	2	7	9	$15.77	Bachelor's degree
43-3061	Procurement Clerks	251	241	-10	-4.0%	0	6	6	$15.46	Short-term on-the-job training
27-2012	Producers and Directors	161	190	29	18.0%	3	2	5	$26.03	Bachelor's degree plus work experience
51-9199	Production Workers, All Other	1,574	1,220	-354	-22.5%	0	38	38	$14.08	Moderate-term on-the-job training
43-5061	Production, Planning, and Expediting Clerks	1,215	1,144	-71	-5.8%	0	29	29	$19.22	Short-term on-the-job training
43-9081	Proofreaders and Copy Markers	89	90	1	1.1%	0	2	2	$12.21	Short-term on-the-job training
11-9141	Property, Real Estate, and Community Association Managers	938	1,219	281	30.0%	28	18	46	$21.25	Bachelor's degree
33-9099	Protective Service Workers, All Other	715	747	32	4.5%	3	50	53	$17.34	Short-term on-the-job training
31-1013	Psychiatric Aides	367	428	61	16.6%	6	5	11	$13.46	Short-term on-the-job training
29-2053	Psychiatric Technicians	376	441	65	17.3%	7	5	12	$11.84	Moderate-term on-the-job training
29-1066	Psychiatrists	166	190	24	14.5%	2	2	4	*$76.64*	First professional degree
19-3039	Psychologists, All Other	21	22	1	4.8%	0	0	0	$35.28	Master's degree
25-1066	Psychology Teachers, Postsecondary	110	124	14	12.7%	1	3	4	$55,970	Doctoral degree
27-3012	Public Address System and Other Announcers	40	40	0	0.0%	0	1	1	$9.59	Long-term on-the-job training
11-2031	Public Relations Managers	249	281	32	12.9%	3	4	7	$31.83	Bachelor's degree plus work experience
27-3031	Public Relations Specialists	573	650	77	13.4%	8	8	16	$20.76	Bachelor's degree

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13-1021	Purchasing Agents and Buyers, Farm Products	219	245	26	11.9%	3	8	11	$21.21	Work experience in a related occupation
13-1023	Purchasing Agents, Except Wholesale, Retail, and Farm Products	914	945	31	3.4%	3	23	26	$20.42	Work experience in a related occupation
11-3061	Purchasing Managers	311	304	-7	-2.3%	0	7	7	$33.15	Bachelor's degree plus work experience
29-1124	Radiation Therapists	63	71	8	12.7%	1	1	2	$27.32	Associate degree
27-3011	Radio and Television Announcers	337	331	-6	-1.8%	0	9	9	$14.04	Long-term on-the-job training
49-2021	Radio Mechanics	30	35	5	16.7%	1	1	2	$16.36	Postsecondary vocational training
29-2034	Radiologic Technologists and Technicians	991	1,179	188	19.0%	19	19	38	$22.35	Associate degree
53-4031	Railroad Conductors and Yardmasters	134	170	36	26.9%	4	4	8	*$19.68*	Moderate-term on-the-job training
47-4061	Rail-Track Laying and Maintenance Equipment Operators	69	61	-8	-11.6%	0	2	2	$18.84	Moderate-term on-the-job training
41-9021	Real Estate Brokers	1,201	1,317	116	9.7%	12	24	36	$36.35	Work experience in a related occupation
41-9022	Real Estate Sales Agents	1,112	1,452	340	30.6%	34	22	56	$19.06	Postsecondary vocational training
43-4171	Receptionists and Information Clerks	3,432	3,841	409	11.9%	41	84	125	$10.61	Short-term on-the-job training
25-1193	Recreation and Fitness Studies Teachers, Postsecondary	63	72	9	14.3%	1	1	2	$52,160	Master's degree
39-9032	Recreation Workers	1,098	1,309	211	19.2%	21	25	46	$10.91	Short-term on-the-job training
29-1125	Recreational Therapists	200	217	17	8.5%	2	5	7	$15.88	Bachelor's degree
49-3092	Recreational Vehicle Service Technicians	136	196	60	44.1%	6	6	12	$13.25	Long-term on-the-job training
53-7081	Refuse and Recyclable Material Collectors	1,206	1,211	5	0.4%	1	31	32	$10.19	Short-term on-the-job training
29-1111	Registered Nurses	13,837	16,613	2,776	20.1%	278	290	568	$25.40	Associate degree
21-1015	Rehabilitation Counselors	1,251	1,560	309	24.7%	31	29	60	$13.15	Master's degree
27-3022	Reporters and Correspondents	396	401	5	1.3%	1	10	11	$15.45	Bachelor's degree plus work experience
43-4181	Reservation and Transportation Ticket Agents and Travel Clerks	397	422	25	6.3%	3	10	13	$11.09	Short-term on-the-job training
39-9041	Residential Advisors	346	419	73	21.1%	7	7	14	$10.44	Moderate-term on-the-job training
29-1126	Respiratory Therapists	422	503	81	19.2%	8	14	22	$22.13	Associate degree
29-2054	Respiratory Therapy Technicians	86	84	-2	-2.3%	0	1	1	$20.14	Associate degree
41-2031	Retail Salespersons	18,493	21,003	2,510	13.6%	251	672	923	$11.39	Short-term on-the-job training
49-9096	Riggers	213	192	-21	-9.9%	0	5	5	$19.79	Short-term on-the-job training
51-4023	Rolling Machine Setters, Operators, and Tenders, Metal and Plastic	24	21	-3	-12.5%	0	1	1	$13.81	Moderate-term on-the-job training
47-2181	Roofers	436	463	27	6.2%	3	10	13	$13.50	Moderate-term on-the-job training
53-5011	Sailors and Marine Oilers	148	162	14	9.5%	1	5	6	$13.66	Short-term on-the-job training
41-9099	Sales and Related Workers, All Other	925	1,135	210	22.7%	21	18	39	$18.25	Moderate-term on-the-job training
41-9031	Sales Engineers	140	157	17	12.1%	2	4	6	$30.96	Bachelor's degree

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11-2022	Sales Managers	1,309	1,500	191	14.6%	19	24	43	$36.96	Bachelor's degree plus work experience
41-3099	Sales Representatives, Services, All Other	887	1,089	202	22.8%	20	17	37	$24.26	Moderate-term on-the-job training
41-4012	Sales Representatives, Wholesale & Manufacturing, Except Technical & Scientific Products	5,043	5,739	696	13.8%	70	132	202	$23.17	Moderate-term on-the-job training
41-4011	Sales Representatives, Wholesale & Manufacturing, Technical & Scientific Products	864	987	123	14.2%	12	23	35	$24.88	Moderate-term on-the-job training
51-7041	Sawing Machine Setters, Operators, and Tenders, Wood	989	789	-200	-20.2%	0	28	28	$11.73	Moderate-term on-the-job training
25-2031	Secondary School Teachers, Except Special and Vocational Education	6,105	6,159	54	0.9%	5	172	177	$40,940	Bachelor's degree
43-6014	Secretaries, Except Legal, Medical, and Executive	10,687	9,850	-837	-7.8%	0	205	205	$12.51	Moderate-term on-the-job training
41-3031	Securities, Commodities, and Financial Services Sales Agents	879	1,052	173	19.7%	17	10	27	$37.75	Bachelor's degree
49-2098	Security and Fire Alarm Systems Installers	115	129	14	12.2%	1	2	3	$15.64	Postsecondary vocational training
33-9032	Security Guards	2,463	2,351	-112	-4.5%	0	54	54	$10.60	Short-term on-the-job training
25-3021	Self-Enrichment Education Teachers	860	1,061	201	23.4%	20	11	31	$16.65	Work experience in a related occupation
51-9012	Separating, Filtering, Clarifying, Precipitating & Still Machine Setters, Operators & Tenders	323	286	-37	-11.5%	0	10	10	$18.32	Moderate-term on-the-job training
47-4071	Septic Tank Servicers and Sewer Pipe Cleaners	68	76	8	11.8%	1	2	3	$13.84	Moderate-term on-the-job training
53-6031	Service Station Attendants	590	597	7	1.2%	1	27	28	$7.89	Short-term on-the-job training
51-6031	Sewing Machine Operators	1,143	836	-307	-26.9%	0	14	14	$10.73	Moderate-term on-the-job training
47-2211	Sheet Metal Workers	1,234	1,188	-46	-3.7%	0	30	30	$17.45	Long-term on-the-job training
43-5071	Shipping, Receiving, and Traffic Clerks	2,948	2,964	16	0.5%	2	61	63	$12.42	Short-term on-the-job training
51-6041	Shoe and Leather Workers and Repairers	151	121	-30	-19.9%	0	5	5	$11.17	Long-term on-the-job training
51-6042	Shoe Machine Operators and Tenders	211	108	-103	-48.8%	0	3	3	$11.88	Moderate-term on-the-job training
49-9097	Signal and Track Switch Repairers	12	12	0	0.0%	0	0	0	*$19.14*	Moderate-term on-the-job training
11-9151	Social and Community Service Managers	1,370	1,643	273	19.9%	27	26	53	$21.59	Bachelor's degree
21-1093	Social and Human Service Assistants	4,076	5,189	1,113	27.3%	111	72	183	$11.20	Moderate-term on-the-job training
19-4061	Social Science Research Assistants	65	67	2	3.1%	0	2	2	$14.74	Associate degree
19-3099	Social Scientists and Related Workers, All Other	170	176	6	3.5%	1	4	5	$20.76	Master's degree
21-1029	Social Workers, All Other	217	267	50	23.0%	5	4	9	$19.27	Bachelor's degree
25-1067	Sociology Teachers, Postsecondary	68	77	9	13.2%	1	2	3	$57,000	Doctoral degree
19-1013	Soil and Plant Scientists	57	63	6	10.5%	1	1	2	$24.61	Bachelor's degree
27-4014	Sound Engineering Technicians	17	18	1	5.9%	0	0	0	$17.73	Postsecondary vocational training
25-2042	Special Education Teachers, Middle School	452	505	53	11.7%	5	11	16	$40,610	Bachelor's degree
25-2041	Special Education Teachers, Preschool, Kindergarten, and Elementary School	1,476	1,684	208	14.1%	21	35	56	$39,670	Bachelor's degree
25-2043	Special Education Teachers, Secondary School	679	722	43	6.3%	4	16	20	$41,270	Bachelor's degree

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		2004	2014	Net	Percent	Growth	Replace-ment	Total		
29-1127	Speech-Language Pathologists	762	802	40	5.2%	4	19	23	$23.19	Master's degree
51-8021	Stationary Engineers and Boiler Operators	561	471	-90	-16.0%	0	10	10	$19.64	Long-term on-the-job training
43-9111	Statistical Assistants	123	115	-8	-6.5%	0	2	2	$13.61	Moderate-term on-the-job training
15-2041	Statisticians	71	70	-1	-1.4%	0	2	2	$28.06	Master's degree
43-5081	Stock Clerks and Order Fillers	6,725	6,226	-499	-7.4%	0	249	249	$9.99	Short-term on-the-job training
47-2022	Stonemasons	190	207	17	8.9%	2	3	5	$14.67	Long-term on-the-job training
47-2221	Structural Iron and Steel Workers	294	308	14	4.8%	1	6	7	$17.40	Long-term on-the-job training
51-2041	Structural Metal Fabricators and Fitters	798	665	-133	-16.7%	0	19	19	$18.19	Moderate-term on-the-job training
21-1011	Substance Abuse and Behavioral Disorder Counselors	458	546	88	19.2%	9	11	20	$16.07	Master's degree
29-1067	Surgeons	308	326	18	5.8%	2	4	6	$92.63	First professional degree
29-2055	Surgical Technologists	350	405	55	15.7%	6	5	11	$16.82	Postsecondary vocational training
19-3022	Survey Researchers	47	57	10	21.3%	1	1	2	$19.47	Bachelor's degree
17-3031	Surveying and Mapping Technicians	272	263	-9	-3.3%	0	10	10	$14.89	Moderate-term on-the-job training
17-1022	Surveyors	265	273	8	3.0%	1	9	10	$21.68	Bachelor's degree
43-2011	Switchboard Operators, Including Answering Service	1,077	931	-146	-13.6%	0	28	28	$10.51	Short-term on-the-job training
51-6052	Tailors, Dressmakers, and Custom Sewers	241	241	0	0.0%	0	4	4	$10.64	Long-term on-the-job training
53-7121	Tank Car, Truck, and Ship Loaders	65	57	-8	-12.3%	0	2	2	*$14.78*	Moderate-term on-the-job training
47-2082	Tapers	173	169	-4	-2.3%	0	4	4	$18.72	Moderate-term on-the-job training
13-2081	Tax Examiners, Collectors, and Revenue Agents	392	415	23	5.9%	2	9	11	$19.35	Bachelor's degree
13-2082	Tax Preparers	397	340	-57	-14.4%	0	7	7	$16.42	Moderate-term on-the-job training
53-3041	Taxi Drivers and Chauffeurs	625	703	78	12.5%	8	6	14	$9.37	Short-term on-the-job training
25-9041	Teacher Assistants	8,070	8,291	221	2.7%	22	156	178	$24,730	Short-term on-the-job training
25-3099	Teachers and Instructors, All Other	2,505	2,515	10	0.4%	1	31	32	$22,280	Bachelor's degree
51-2092	Team Assemblers	3,918	3,700	-218	-5.6%	0	101	101	$11.42	Moderate-term on-the-job training
27-3042	Technical Writers	62	70	8	12.9%	1	2	3	$23.01	Bachelor's degree
49-2022	Telecommunications Equipment Installers and Repairers, Except Line Installers	790	867	77	9.7%	8	16	24	$20.85	Long-term on-the-job training
49-9052	Telecommunications Line Installers and Repairers	681	673	-8	-1.2%	0	19	19	$26.00	Long-term on-the-job training
41-9041	Telemarketers	2,971	2,597	-374	-12.6%	0	49	49	$12.63	Short-term on-the-job training
43-3071	Tellers	2,657	3,106	449	16.9%	45	131	176	$9.98	Short-term on-the-job training
51-6061	Textile Bleaching and Dyeing Machine Operators and Tenders	55	30	-25	-45.5%	0	1	1	$12.16	Moderate-term on-the-job training
51-6062	Textile Cutting Machine Setters, Operators, and Tenders	132	123	-9	-6.8%	0	3	3	$10.12	Moderate-term on-the-job training

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		2004	2014	Net	Percent	Growth	Replace-ment	Total		
51-6064	Textile Winding, Twisting, and Drawing Out Machine Setters, Operators, and Tenders	292	194	-98	-33.6%	0	5	5	$12.35	Moderate-term on-the-job training
51-6099	Textile, Apparel, and Furnishings Workers, All Other	46	33	-13	-28.3%	0	1	1	$12.11	Short-term on-the-job training
47-2044	Tile and Marble Setters	105	129	24	22.9%	2	2	4	$15.25	Long-term on-the-job training
51-9197	Tire Builders	118	114	-4	-3.4%	0	3	3	$12.54	Moderate-term on-the-job training
49-3093	Tire Repairers and Changers	241	256	15	6.2%	2	10	12	$9.83	Short-term on-the-job training
23-2093	Title Examiners, Abstractors, and Searchers	80	81	1	1.3%	0	1	1	$14.78	Moderate-term on-the-job training
51-4111	Tool and Die Makers	187	186	-1	-0.5%	0	4	4	$20.17	Long-term on-the-job training
51-4194	Tool Grinders, Filers, and Sharpeners	158	148	-10	-6.3%	0	5	5	$14.39	Moderate-term on-the-job training
39-6021	Tour Guides and Escorts	151	181	30	19.9%	3	4	7	$11.30	Moderate-term on-the-job training
11-3042	Training and Development Managers	184	222	38	20.7%	4	3	7	$30.72	Bachelor's degree plus work experience
13-1073	Training and Development Specialists	1,026	1,173	147	14.3%	15	16	31	$21.76	Bachelor's degree
53-6051	Transportation Inspectors	71	73	2	2.8%	0	2	2	$31.66	Work experience in a related occupation
11-3071	Transportation, Storage, and Distribution Managers	612	669	57	9.3%	6	12	18	$29.28	Work experience in a related occupation
41-3041	Travel Agents	204	182	-22	-10.8%	0	5	5	$16.05	Postsecondary vocational training
53-3032	Truck Drivers, Heavy and Tractor-Trailer	11,188	12,126	938	8.4%	94	183	277	$14.84	Moderate-term on-the-job training
53-3033	Truck Drivers, Light or Delivery Services	4,795	5,382	587	12.2%	59	44	103	$12.60	Short-term on-the-job training
51-6093	Upholsterers	256	223	-33	-12.9%	0	7	7	$14.42	Long-term on-the-job training
19-3051	Urban and Regional Planners	113	126	13	11.5%	1	4	5	$22.17	Master's degree
39-3031	Ushers, Lobby Attendants, and Ticket Takers	66	74	8	12.1%	1	4	5	$8.07	Short-term on-the-job training
29-1131	Veterinarians	422	519	97	23.0%	10	10	20	$32.81	First professional degree
31-9096	Veterinary Assistants and Laboratory Animal Caretakers	518	650	132	25.5%	13	10	23	$10.58	Short-term on-the-job training
29-2056	Veterinary Technologists and Technicians	373	543	170	45.6%	17	5	22	$13.43	Associate degree
25-2023	Vocational Education Teachers, Middle School	64	62	-2	-3.1%	0	1	1	$45,300	Bachelor's degree plus work experience
25-1194	Vocational Education Teachers, Postsecondary	316	375	59	18.7%	6	7	13	$21.49	Bachelor's degree plus work experience
25-2032	Vocational Education Teachers, Secondary School	243	253	10	4.1%	1	7	8	$43,200	Bachelor's degree plus work experience
35-3031	Waiters and Waitresses	10,807	12,134	1,327	12.3%	133	556	689	$8.51	Short-term on-the-job training
49-9064	Watch Repairers	109	103	-6	-5.5%	0	3	3	$14.92	Long-term on-the-job training
51-8031	Water and Liquid Waste Treatment Plant and System Operators	672	751	79	11.8%	8	23	31	$16.07	Long-term on-the-job training
43-5111	Weighers, Measurers, Checkers, and Samplers, Recordkeeping	364	339	-25	-6.9%	0	9	9	$12.77	Short-term on-the-job training
51-4121	Welders, Cutters, Solderers, and Brazers	1,749	1,706	-43	-2.5%	0	49	49	$16.81	Long-term on-the-job training
51-4122	Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	214	182	-32	-15.0%	0	6	6	$16.65	Moderate-term on-the-job training

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13-1022	Wholesale and Retail Buyers, Except Farm Products	887	967	80	9.0%	8	23	31	$19.65	Work experience in a related occupation
51-7099	Woodworkers, All Other	198	153	-45	-22.7%	0	6	6	$9.70	Moderate-term on-the-job training
51-7042	Woodworking Machine Setters, Operators, and Tenders, Except Sawing	1,051	771	-280	-26.6%	0	28	28	$11.22	Moderate-term on-the-job training
43-9022	Word Processors and Typists	1,278	964	-314	-24.6%	0	28	28	$11.55	Moderate-term on-the-job training
27-3043	Writers and Authors	497	572	75	15.1%	8	9	17	$20.53	Bachelor's degree
19-1023	Zoologists and Wildlife Biologists	185	197	12	6.5%	1	6	7	$23.33	Bachelor's degree

Average wages are for wage and salary workers only and do not include the self-employed.
Wages in italics are for 2004, as 2005 wages were not available for these occupations .

Education and Training Requirement Definitions	
Education/Training Requirement	Definition
First Professional degree	Completion of a 6-year academic program
Doctoral degree	Completion of a 3-year academic program beyond a bachelor's degree
Master's degree	Completion of a 1- to 2-year academic program beyond a bachelor's degree
Bachelor's degree plus work experience	Completion of a 4-year academic program or higher degree beyond high school, plus related occupational experience
Bachelor's degree	Completion of a 4-year academic program beyond high school
Associate degree	Completion of a 2-year academic program beyond high school
Post-Secondary vocational training	Completion of a vocational training program
Work experience in a related occupation	Related occupational experience leading to development of specific skills
Long-term on-the-job training	More than 1 year of on-the-job training or a combination of training and classroom instruction
Moderate-term on-the-job training	1 to 12 months of on-the-job training
Short-term on-the-job training	Up to 1 month of on-the-job training

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